

FORM NO. 51-61A
NOV 1948

CLASSIFICATION SECRET/CONTROL - U. S. OFFICIALS ONLY

Nov 26 1948
50X1-HUM

CENTRAL INTELLIGENCE AGENCY

REPORT

INFORMATION REPORT

COUNTRY Rumania

DATE DISTR. 10 June 1949

SUBJECT Information Regarding Rumanian Railroads
and Port of Constanta

NO. OF PAGES 1

PLACE ACQUIRED

NO. OF ENCL'S. 1
(LISTED BELOW)DATE OF IN
ACQUIREDSUPPLEMENT TO
REPORT NO.

50X1-HUM

THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE OF THE UNITED STATES WITHIN THE MEANING OF THE ESPIONAGE ACT OF U. S. C. 31 AND 32, AS AMENDED. ITS TRANSMISSION OR THE REVELATION OF ITS CONTENTS IN ANY MANNER TO AN UNAUTHORIZED PERSON IS PROHIBITED BY LAW. REPRODUCTION OF THIS FORM IS PROHIBITED. HOWEVER, INFORMATION CONTAINED IN BODY OF THE FORM MAY BE UTILIZED AS DEEMED NECESSARY BY THE RECEIVING AGENCY.

*1-EG 1
MR 2
TR 3*

1. Attached herewith for your retention is a [redacted] document 50X1-HUM regarding the railways of Rumania. The document is divided into eight sections as follows:

- a. A description of the railway network.
- b. Consolidation of certain railroad lines; freight re-distribution.
- c. Major construction on railways (from the press).
- d. Methods of procedure for the Rumanian State Railways.
- e. Locomotive types and use of them in the freight re-distribution plan.
- f. Freight data.
- g. Return of foreign railroad cars to countries of origin.
- h. Administration of Rumanian State Railways.

50X1-HUM

CLASSIFICATION SECRET/CONTROL - U. S. OFFICIALS ONLY

| STATE | NAVY | NSRB | DISTRIBUTION | | | | | |
|-------|------|------|--------------|--|--|--|--|--|
| ARMY | AIR | | | | | | | |

ORE X

50X1-HUM

Page Denied

SECRET

RAILROADS IN RUMANIA AND ACTIVITIES OF THE PORT OF CONSTANTA

50X1-HUM

November 1948

- I. Rumanian Railroad System
- II. Amount of work necessitated by the consolidation of several lines for the purpose of accommodating a load of 22 tons per axle.
- III. Extracts from Rumanian newspapers concerning the important work on railroads
- IV. Operative resources of the Rumanian State Railroads (rolling stock and classification yards)
- V. Introduction of the different types of locomotives in load plans, by lines
- VI. Load plans of the different lines
- VII. Return of foreign cars to their country of origin
- VIII. Activity and accomplishments of the Rumanian State Railroads (from 1940 to 1944) (Document of 13 pages available to our addressees)
- IX. Activities of the Port of Constanta

I I. Structure of the Rumanian railroads

The network of the Rumanian railroads stretches 10,242 kilometers and is divided into 7 regions:

1. Southeast: Bucharest, Constanta, Ploesti, etc
2. East : Buzau, Marasesti, Galati, Braila, etc
3. South: Rosiori, Pitesti, Slatina, Turnu-Severin, etc
4. Center: Brasov, Sibiu, Teius, Targul Mures, etc
5. West: Timisoara, Arad (to Yugoslavia), etc
6. Northwest: Cluj, Oradea, Satu-Mare (to Hungary), etc
7. Northeast: Bacau, Pascani, Iasi, etc

The lines are divided into 4 categories (see map No 1 in annex):

Category One: Main lines which can carry a load of 20 tons

SECRET

/

~~SECRET~~

per axle. Length, 3,358 kilometers

Category Two: Secondary lines (in process of modification) which can carry a maximum load of 17 tons per axle. Length 3,012 kilometers.

Category Three: Secondary lines (no planned modification) which can carry a maximum load of 15 tons per axle. Length 3,150 kilometers.

Category Four: Narrow-gage lines (1 meter and ~~750~~ centimeters) which can carry a maximum load of 7.5 tons per axle. Length 713 kilometers.

Annexes:

A.-1 Sketch of the Rumanian railroad network (in 7 regions)

A.-2 Sketch of the Rumanian railroad network (Plan for locomotive hauling)

A.-3 Sketch of the Rumanian railroad network (Siding capacity)

A.-4 Rail lines of Bucharest and of its beltline.

The two following tables give an exact idea of the needs in materiel necessary for the improvement of the main lines of Category One.

For Category Two, the planned modification includes the replacement of rails, strengthening of structures (bridges, culverts, etc), increasing the number of ties, etc, so as to make these lines into main lines. Other improvements are also under consideration (see following descriptions). The request for funds for these improvements has been submitted to the government.

Main double-track lines (see map No 1)

1. Bucharest, Ploesti, Brasov
2. Ploesti, Buzau, Marasesti, Adjud
3. Marasesti, Tecuci
4. Teius, Apahida
5. Cerna-Voda, Constanta

New lines under construction or being completed:

First line: Bucharest, Snagov (40 km north of Bucharest). No strategic importance. The line will give the inhabitants of Bucharest an opportunity to get fresh air in the forest and near the lake. It has just been opened to traffic (May 1948).

Second line: Bumbesti, Livazeni, ~~Snagov~~ (sic). Very important and of great strategic interest for the coal and industrial regions of Petrosani and Lupeni and for the Jiu Valley; also for supplying the chemical plant in Bumbesti with raw material. This plant is of the same type but smaller than the one in Ucea de Sus and Lupeni. This line was begun in 1924 in a very rugged territory which made the construction of numerous bridges, viaducts, and tunnels necessary. At present the work has almost been completed and is being pushed hard. The laying of the rails was started in July 1948, and the administration of railroad construction stated that the line would be definitely opened to traffic by the end of 1948.

Third line: Telciu, Viseu. Because of the change of frontier, the old lines are now in Russian territory; the region east of Sighet was revived ~~and~~ is isolated. The plan dating from 1938 ~~was abandoned~~ ~~and~~ ~~not carried out~~ is being studied. At the present time, the line, which was very difficult to built in a very mountainous, forest region, is being completed. The line should be ready for traffic by the end of 1948, or, at the latest, the first part of 1949.

Fourth line: Faurei, Tecuci. The line has been completed but will not be usable until October 1948, since the metal bridge over the Siret River can not be finished before this date.

Fifth line: Line of the Bucharest forts (a large beltline). The railroad administration has just begun to repair this line, which has been almost completely abandoned since 1944. The repairs will require four months. Special funds to cover this work were granted in May 1948.

SECRET

~~SECRET~~

Planned double-tracking of lines:

1. Brasov, Teius. The double-tracking of the international line Bucharest -- Oradea-Mare -- Brasov -- Sighisoara-- Teius, and from Cluj to Oradea-Mare is planned in the new five-year plan.

Single-track lines, planned and modifications:

1. Brasov - Buzau. One part of the line, from Brasov to Intorsura Buzaului and passing through the large tunnel of Teliu, is finished; a second section, from Buzau to Nehoiasu, is also finished but this portion of the line is weak and can not carry loads greater than 10 tons per axle. For this reason it is to be improved so as to permit a load of 15 to 17 tons per axle—the usual load of secondary lines. The third section, about 75 km, is to connect Nehoiasu and Intorsura Buzaului. This is a very hilly section and the exact route has not been determined yet. Information from the Administration of Railroads seems to indicate that the lay-out of the line will follow approximately the same route as the national highway connecting Brasov and Buzau. This line should be completed in 1950.

2. Curtea de Arges - Rammicul Valcii. Following the /the construction of request of the Russian authorities, this line is to be completed very quickly. It is thought that work will be begun this year. The purpose of the line is to relieve the congestion in the Brasov-Predeal-Campina region, where there are steep grades. The traffic coming from either Arad or Oradea would be headed toward Sibiu. From this station, there is a slight down-grade to Bucharest with few up-grades, and these are of low percentage.

Single-track lines constructed with the expectation of laying a second track.

Line One: Bucharest-Faurei

Line Two: Bucharest-Craiova via Videle-Rosiori-Caracal
(Opened to traffic in 1947). On these lines all the structures have

-4-
~~SECRET~~

~~SECRET~~

/d

been made for two tracks. On metal bridges, the pilings have been erected for double-track; it will be necessary to change only the roadway of the bridges.

Line Three: Cluj--Oradea-Mare. When this line was used by the Hungarians it was double-track; but since then, the Rumanians have neglected its upkeep very much. At the present time, this line is in a very poor state (ballast, ties, rails), and only one track is serviceable. There are rails for only one track.

Line Four: Dej-Jibou. A secondary line in very bad shape.

Russian-gauge railroad lines. None on Rumanian territory.

Note: All the railroad lines of the former provinces of Bessarabia /northern and Bucovina , which were annexed by Russia in 1944, have been converted to Russian⁶ gauge.

Electrified lines.

At present, there is no electrified line under construction or in operation. The studies of a plan to electrify the railroad lines on the Brasov-Campina-Floesti sector have been completed. The electrification would be in two steps: first step, Brasov-Campina; second step, Campina-Floesti. The plan called for the erection of three stations (hydroelectric stations). The first is to be at Capa-Rosu near Sibiu, the second at Peibepesti de Padure, and the third ~~hydroelectric~~ at Bicaz in Moldavia. The current ~~will~~ would be 3000 volts direct. All equipment including meters, materiel for the installation /only of the power lines, and switches would be of Russian origin. The question of the electric locomotives has not yet been solved, but it seems certain that the Russians will furnish them.

Lines equipped for automatic block signals

Line One: Bucharest-Chitila, operating

Line Two: Fetesti--Cernavoda, operating

~~SECRET~~
-5-

Line Three: Chitila-Floesti, installed but not yet operating. All of the materiel used is of German origin.

Today the Rumanian railroad network is in a rather poor condition. From 1941 to 1944, the network was used by the German and Rumanian armies. The retreat of the German army, the passage of the Russian armies, and the destructions by the different armed forces, all contributed to the disorganization of the network.

Since 1945, there has been an concentrated effort to put the railroads back in good shape. There have been some good results; the average speed of the trains (including stops) has increased:

| | Apr 48 | Jun 48 |
|------------------------------------|------------|------------|
| Passenger trains, steam | 26 km/hr | 34 km/hr |
| Express trains motor | 40 km/hr | 52 km/hr |
| Railcars | 37 km/hr | 57 km/hr |
| Freight trains | 11.5 km/hr | 13.2 km/hr |

However, this improvement is the result of only partial repairs and the network needs an almost complete rebuilding. It is no longer yet just a question of renovation; many types of material are lacking.

These are:

1. Creosoted ties. For a general rebuilding of the lines which have been abandoned since 1942, six to seven million ties would be needed. The Rumanian production from four plants amounts to about 1,500,000 ties per year. 1) ^{The} Plant at Floesti, which produces creosote and impregnates ties with this chemical, was destroyed to a large extent by the Allied bombings and ^{the equipment} has not yet been completely replaced. Its annual production is 300,000 beech ties. 2) The plant at Aiud (Transsylvania) has an annual production of 400,000 beech ties. 3) The plant at Itcani (Moldavia) can produce 500,000 beech ties per year. 4) The plant at Tileagd (25 km east of Oradea)

SECRET

SECRET

can produce 250,000 beech ties per year.

In order to offset the lack of creosoted ties, which are needed for certain urgent projects, the railroads are using oak ties which have not been creosoted. According to the reports of the engineers, the oak ties should be very durable.

2. Rails (end of July 1948): Up to 1944, the Krupp Works was the main source of supply for rails. The types of rails used by the Rumanian railroad system were very diverse, beginning with type 34.5 for some of the secondary lines and including types 41, 42, 45, 48, and 49. (The number, which indicates the type of rail, is the weight per meter of rail; type 45 indicates a rail which weighs 45 kilograms per meter). Up to 1942 there was no clearly established type. Starting in 1942, the Germans assigned two types of rails ^{special} to be used; a type 49 and a little later a type 41, of which the first shipments were to arrive in the middle of 1944. Since the armistice, the Rumanian railroads have been using mainly the ^{very} ~~large~~ permanent reserves which were accumulated during the war. The Russians have also dug into this stock and have carried off the major part of type 42, 45, and 49 rails. The national production is very small. The Resita Metallurgical Works have a present annual production of around 12,000 tons with a maximum of 20,000 tons. It is said that the Russians claim 60 percent of the production under the terms of the armistice.

In July 1948, for repairs and normal maintenance of the lines, the Rumanian railroads had a stock of only about 7,000 tons of rails—about enough to build 80 kilometers of single track. Because of this state of affairs, treaties are being discussed with Poland for type 45 in [presumably for foreign exchange credits] the delivery of 17,000 tons of rails against compensation and also with Czechoslovakia for the delivery of 20,000 tons of type 45 rails, likewise in compensation.

SECRET

SECRET

3. Miscellaneous small parts for setting rails: sleeper-screws, tie-plates, spikes, etc. The Rumanian railroads are practically without any of these small parts, and there is virtually no national production. Requests for deliveries of this material, which have been sent to Russia, Poland, and Czechoslovakia, have been unanswered up to the present.

[Unidentified abbreviation]

Bucharest, 29 September (A.F.P.)^A The Rumanian agency announces the decision of the Council of Ministers of Rumania to lower the railroad tariff by 15 percent, effective this date.

The extent of the work which must be done on some lines to make them capable of handling loads of ~~20~~ tons per axle:

| No | Line | Work | Amount | | Remarks |
|----|---|---|---|-----|---------|
| | | | Tons | Lei | |
| 1 | Bucharest-Simeria (via Brasov-Teius) | Reconstruction with type 45 rails for 133 kms; renewing and tamping ballast on the rest of sector (304 kms) | 320,000 ties; 12,000 tons of rails; 9,000 tons rail fittings; 70,000 cu m crushed rock; 400,000 work days; 1 billion lei | | |
| 2 | Teius-Oradea | Reconstruction with type 45 rails for 25 kms; renewing and tamping ballast on rest of sector (231 Kms) | 2,250 tons of rails; 3,000 tons of rail fittings; 130,000 ties; 15,000 cu m crushed rock; 140,000 work days; 325, million lei | | |
| 3 | Bucharest-Timisoara (via Rosiori) | Strengthening of embankment and widening road-bed for 325 kms | 20,000 tons large stone; 30,000 tons crushed rock; 3,250 tons rail fittings; 70,000 ties; 22,500 work days; 400 million lei. | | |
| 4a | Bucharest-Iasi (via Floesti-Marasesti-Tecuci) | Reconstruction with type 45 rails for 245 kms and widening road-bed for 400 kms | 22,000 tons of rails; 11,000 tons rail fittings; 320,000 ties; 120,000 cu m crushed rock; 500,000 work days; 1,250,000,000 lei. | | |

SECRET

SECRET

| | | | | |
|---------------------|---|--|---|-----------------------------|
| 4b | Bucharest- Strenghtening of em- Faurei-Su- bakhment and widening raia (sec- of road-bed for 70 kms tion of Buch- arest-Faurei- Tecuci) | 10,000 tons large stone; 15,000 cu m crushed rock; 38,000 ties; 700 tons rail fittings; 50,000 work days; 96 mil- lion lei | | |
| Tecuci- | Iasi | Rebuilding line for 148 kms | 13,500 tons of rails; 5,500 tons rail fit- tings; 100,000 ties; 70,000 cu m crushed rock; 180,000 work days; 600 million lei | Also in- cluded in 4a |
| <hr/> | | | | |
| Bucharest-Pites- | ti- Curtea de Arges | Rebuilding with type 45 rail for 136 kms | 12,200 tons of rails; 4,200 tons rail fit- tings; 95,000 ties; 65,000 cu m crushed rock; 170,000 work days; 580 million lei | |
| Ramnicul Valcii-Oc- | na Sibiului | Rebuilding with type 45 rail for 108 kms | 10,000 tons of rails; 4,000 tons rail fit- tings; 80,000 ties; 50,000 cu m crushed rock; 140,000 work days; 500 million lei | |
| Marc Sibiului- | Vintul de Jos- | Rebuilding with type 45 rail for 170 kms | 6,300 tons of rails; 2,500 tons rail fit- tings; 60,000 ties; 32,000 cu m crushed rock; 100,000 work days; 320 million lei | 44 kms in- cluded in 1 |
| <hr/> | | | | |
| | | Total | 61,750 tons of rails; 37,500 tons rail fittings; 1,160,000 ties; 375,000 cu m crushed rock; 30,000 tons large stone; 1,670,000 work days; 4,255,000 lei | |

SECRET

~~SECRET~~

IV ^{W4} ~~Operating~~ resources of the Rumanian State Railroads (rolling stock and classification yards)

1 Locomotives

| | |
|-------------|------------|
| In Service: | 1,244 |
| In Reserve | <u>472</u> |
| Total | 1,716 |
| In Repair | 1,309 |
| Total | 3,025 |

2 Freight cars

| | |
|------------|---------------|
| In Service | 35,813 |
| In Reserve | 5,908 |
| Faulty | <u>20,879</u> |
| Total | 62,600 |

3 Rail ^{MOTOR} cars

| | |
|--------------|-----------|
| In Service | 73 |
| In Reserve | 31 |
| Faulty | <u>69</u> |
| Total | 173 |
| To be tested | <u>15</u> |
| Total | 183 (sic) |

4 Passenger cars

| | |
|------------|------------|
| In Service | 2,159 |
| In Reserve | 237 |
| Faulty | <u>578</u> |
| Total | 2,974 |

Inventory of the freight cars

| | |
|------------|---------------|
| In Service | 25,765 |
| In Reserve | 6,499 |
| Damaged | <u>17,047</u> |
| Total | 49,311 |

Of the total number of freight cars, there are only 180 with 4 axles; all the rest have 2 axles.

5 Classification Yards (in order of importance)

Bucharest, 3,000 cars a day; maximum, 5,000 (1942-43)

Ploesti, 1,500 cars a day; maximum, 2,000

Brasov, 500 a day at present; maximum, 700 (upon completion of work, capacity will be 2,000 cars a day)

The other stations have classification yards of only small importance.

~~SECRET~~

SECRET

Technical Information on Locomotives of the Rumanian Railroads on 20 April 1948:

| Series | French formula | Construction Year; | Maximum Speed Km/hr | Loco-motive weight in tons | Fuel per axle | Weight per axle | Service Depot | Total Stock |
|-------------------|----------------|--------------------|---------------------|----------------------------|---------------|-----------------|---------------|-------------|
| 047 | 0-3-0 | 1912-16 | 45 | 45 | C | 15.0 | 10 | 31 |
| 597 | 0-3-0 | 1890-1902 | 55 | 40.5 | M | 13.6 | 6 | 38 |
| 1200 | 1-3-0 | 1914-16 | 70 | 63 | M | 16.4 | 1 | 46 |
| 1440 | 1-3-0 | 1913-16 | 73 | 34 | M | 11.5 | 11 | 37 |
| 1600 | 1-4-0 | 1913 | 70 | 79 | M | 17.0 | 2 | 18 |
| 2000 | 1-3-0 | 1906-16 | 90 | 59 | M | 16.3 | 32 | 105 |
| 2200 + 231.000 | 2-3-1 | 1913-22 | 126 | 90 | M | 16.0 | 36 | 87 |
| 7000 | 1-3-0 | 1902-13 | 60 | 58 | C | 15.0 | 8 | 18 |
| 40.000 | 0-4-0 | 1913-14 | 55 | 68 | M | 17.0 | 33 | 109 |
| *40.000 | 1-4-1 | 1908 | 40 | 71 | C | 12.0 | 2 | 7 |
| *400.000 | 0-4-0 | 1930 | 40 | 56.2 | C | 14.0 | 1 | 5 |
| *50.000 | 0-5-0 | 1919-21 | 50 | 69.4 | C | 14.1 | 27 | 63 |
| *50.100 | 0-5-0 | 1921-24 | 60/70 | 74.3 | M | 14.8/15 | 206 | 622 |
| *131.000 | 1-3-1 | 1940-42 | 65 | 61.6 | C | 12.4 | 38 | 66 |
| *140.100 | 1-4-1 | 1918 | 75 | 74 | M | 18.0 | 14 | 62 |
| *140.200 | 1-4-0 | 1920-22 | 50 | 68 | M | 15.1 | 36 | 105 |
| *140.400 | 1-4-0 | 1924-23 (sic) | 65 | 82 | M | 17.6 | 8 | 16 |
| *142.000 | 1-4-2 | 1926-41 | 110 (140) | 123.5 | M | 18.6 | 26 | 79 |
| *150.000 | 1-5-0 | 1946-48 | 80 | 86 | C | 16.0 | 14 | 23 |
| *150.1000 | 1-5-0 | 1943 | 80 | 84.4 | C | 15.3 | 50 | 100 |
| *151.000 | 1-5-1 | 1940-41 | 85 | 123 | M | 18.0 | 1 | 1 |
| *230.000 | 2-3-0 | 1916-37 | 100 | 77 | M | 17.2 | 139 | 350 |
| *301.000 | 2-3-1 | 1911-15 | 100 | 84 | M | 15.7 | 5 | 11 |
| *324.000 | 1-3-1 | 1909-19 | 75 | 57 | C | 13.6 | 132 | 342 |
| *326.000 | 0-3-0 | 1882-97 | 45 | 39 | C | 13.2 | 39 | 91 |

SECRET

~~SECRET~~

| | | | | | | | | |
|------------|--------------------|-----------|-----|------|---|------|-----------|-----|
| **327.000 | 2-3-0 | 1913-17 | 100 | 62.8 | M | 14.1 | 20 | 46 |
| **342.000 | 1-3-1 | 1915-18 | 85 | 71.6 | C | 14.4 | 29 | 94 |
| **270.000 | <i>[Sic]</i> 0-3-0 | 1897-1908 | 50 | 29.4 | C | 10.0 | 13 | 63 |
| **375.000 | 1-3-1 | 1907-19 | 60 | 52 | C | 10.5 | 64 | 154 |
| **376.000 | 1-3-1 | 1910-16 | 45 | 45 | C | 9.2 | 24 | 86 |
| **377.000 | 0-3-0 | 1885-1908 | 45 | 29.3 | C | 9.8 | 3 | 8 |
| **442.000 | 1-4-1 | 1917-19 | 85 | 86 | C | 14.4 | 1 | 10 |
| ***651.000 | 0-3-3-0 | 1909-14 | 50 | 71.4 | C | 12.2 | <u>13</u> | 32 |

Total 1,044 2,945 (sic)
 (2,925)

* indicates cog-wheel locomotives

Fuel: C means coal

** German Railroad type (DRB) *[Deutsches Reichsbahn]* M means mixed (coal and fuel oil)
 "MALET"

*** ~~MALET~~ type (articulated)

French Formula: Of the three figures, the first figure represents the number front of/carrying axles or the number of front bogie axles; the second ~~MAX~~ figure represents the number of coupled and driving axles; the third figure represents the number of rear trailing axles or the number of rear bogies.

Example: 0-3-0 means o000 (Bourbonnais type)

1-4-0 " o0000 (Consolidation type)

2-3-1 " oo000o (Pacific type)

50X1-HUM

~~SECRET~~

-12-

SECRET

Distribution of Locomotives by Depots
(In service or in reserve)

| Region | Location | In service | In reserve | Total |
|--------|----------|------------|------------|-------|
|--------|----------|------------|------------|-------|

One

| | | | | |
|------------------|--------------------------------|----|----|-----------|
| | Bucharest | 48 | 11 | 59 |
| | Bucharest Freight Yards | 15 | 8 | 23 |
| | Bucharest Classification Yards | 57 | 26 | 83 |
| | Calarasi | 3 | - | 3 |
| Depot | Campina | 19 | 7 | 26 |
| | Constanta | 19 | 21 | 40 |
| | Fetesti | 29 | 13 | 42 |
| | Giurgiu | 9 | 8 | 17 |
| | Medgidia | 8 | 4 | 12 |
| | Ploesti | 76 | 54 | 130 (sic) |
| | Titu | 8 | 9 | 17 |

Two

| | | | | |
|--|------------------|----|----|----------|
| | Adjud | 30 | 20 | 50 |
| | Braila | 9 | 15 | 34 (sic) |
| | Buzau | 43 | 17 | 60 |
| | Faurei | 5 | 5 | 10 |
| | Galati (Track N) | 20 | 14 | 34 |
| | Galati (Track L) | 1 | 4 | 5 |
| | Marasesti | 7 | 3 | 10 |
| | Tecuci | 12 | 16 | 28 |

Three

| | | | | |
|--|-----------------|----|----|----|
| | Craiova | 25 | 26 | 51 |
| | Campulung | 3 | 3 | 6 |
| | Piatra Olt | 28 | 17 | 45 |
| | Pitesti | 36 | 6 | 42 |
| | Ramnicul Valcii | 13 | 15 | 28 |
| | Rosiori | 9 | 2 | 11 |
| | Turnu Severin | 22 | 35 | 57 |
| | Filiaci | 14 | 5 | 19 |

Four

| | | | | |
|--|-------------|----|----|----|
| | Brasov | 79 | 15 | 94 |
| | Sibiu | 30 | 15 | 45 |
| | Ciceu | 19 | 10 | 29 |
| | Petrosani | 21 | 4 | 25 |
| | Sighisoara | 8 | 1 | 9 |
| | Simeria | 23 | 7 | 30 |
| | Subcetate | 2 | 4 | 6 |
| | Teius | 28 | 4 | 32 |
| | Targu Mures | 16 | 12 | 28 |

SECRET

SECRET

Five

| | | | |
|------------|----|----|----|
| Timisoara | 46 | 14 | 60 |
| Caransebes | 35 | 17 | 52 |
| Lugoj | 12 | 8 | 20 |
| Oravita | 5 | 4 | 9 |
| Orsova | 9 | 1 | 10 |
| Irad | 49 | 23 | 72 |
| Varias | 10 | 1 | 11 |

Six

| | | | |
|-------------|----|----|----|
| Cluj | 35 | 14 | 49 |
| Dej | 32 | 14 | 46 |
| Jibou | 8 | 6 | 14 |
| Bistrita | 9 | - | 9 |
| Oradea Mare | 30 | 11 | 41 |
| Razboieni | 5 | 6 | 11 |
| Satu Mare | 12 | 4 | 16 |
| Sighet | 9 | - | 9 |
| Turda | 3 | 2 | 5 |

Seven

| | | | |
|--------------------|----|----|----|
| Iasi | 28 | 35 | 63 |
| Pascani | 25 | 13 | 38 |
| Bacau | 19 | 21 | 40 |
| Barlad | 4 | 2 | 6 |
| Botosani | 5 | 1 | 6 |
| Campulung Moldavia | 17 | 3 | 20 |
| Dornesti | 6 | 8 | 14 |
| Itcani | 15 | 3 | 18 |
| Roman | 4 | 10 | 14 |
| Dorohoi | 6 | - | 6 |

-14-

SECRET

~~SECRET~~

Types of Locomotives Assigned to each of the Depots

| Depot | Passenger Locomotives | Freight Locomotives | Shifting Locomotives | Other services, double-heading, auxiliary |
|-----------------------------------|---|------------------------------|-----------------------------------|---|
| Bucharest | 2.200 231,000 142,000 | | 047 40.000 | |
| Bucharest Freight Yds | | | 047 40.000 | |
| Bucharest Clas- sification Yds | 230.000 | 230.000 | 1.441 7.000 1.621 40.000 | |
| Campina | 1.441 | 1.441 50.100 | 1.441 140.100 | 50.100 D T |
| Calarasi | 324.000 | 324.000 | | |
| Constanta | 1.441 324.000 | 324.000 | 1.441 40.000 | |
| Fetesti | 7.000 | 50.100 | 7.000 40.000 | 40.000 D T |
| Giurgiu | 324.000 | 40.000 324.000 | 40.000 | |
| Medgidia | 50.100 | 50.100 | 7.000 | |
| Ploesti | 50.100 140.400 230.000 324.000 | 50.100 324.000 | 048 140.100 | 50.100 B T 230.000 D T |
| Titu | 324.000 | 324.000 | 047 | |
| Galati | 2.034 | 140.200 | 140.200 326.000 | 140.200 |
| Adjud | 130.500 | 50.100 | 50.100 | 50.100 |
| Marasesti | 376.000 | 376.000 | 50.000 376.000 | |
| Adjud (sic) | 130.500 | 50.100 | 50.000 | 50.100 |
| Braila | 130.500 | 130.500 | 130.500 376.000 | 130.500 |
| Buzau | 130.500 230.000 370.000 | 50.100 230.000 370.000 | 50.000 326.000 370.000 | |
| Faurei | 130.500 | 130.500 | 50.000 | |
| Tecuci | 2.034 | 140.200 | 140.200 | 140.200 |

-15-

~~SECRET~~

SECRET

| | | | | |
|----------------------|---|--|--------------------|----------------------------|
| Craiova | 50.100 230.000 | 50.100 230.000 | 326.000 | 50.100 |
| Filiiasi | 324.000 376.000 | 324.000 376.000 | 324.000 376.000 | |
| Citesti | 324.000 | 324.000 | 324.000 | |
| Campulung | 324.000 | 324.000 | 324.000 | |
| Piatra Olt | 324.000 | 50.100 | | 324.000 |
| Pitesti | 150.1000 | 150.1000 | 326.000 | 150.1000 |
| Ramnicul Val- cii | 324.000 376.000 | 50.100 324.000 | 324.000 | 324.000 |
| Rosiori de Vede | 131.000 | 131.000 | 131.000 | |
| Turnu Severin | 150.1000 150.000 | 150.1000 | 326.000 | 150.1000 |
| Brasov | 142.000 150.000 375.000 376.000 151.000 | 150.1000 375.000 376.000 | 50.000 326.000 | 150.1000 140.1000 [sic] |
| Ciceu | 50.100 327.000 | 50.100 | 50.100 | 50.100 |
| Petrosani | 342.000 | 651.000 | 342.000 | 651.000 |
| Saint Ghe- orghe | 375.000 | 375.000 | | |
| Sibiu | 131.000 327.000 375.000 | 50.100 131.000 375.000 | 375.000 | 131.000 |
| Sighisoara | 230.000 375.000 | 375.000 | 326.000 | 230.000 |
| Simeria | 230.000 342.000 375.000 | 230.000 | 50.000 | |
| Subcetate | 40 D | 40 D | | |
| Targu Mures | 50.100 324.000 | 50.100 324.000 | 324.000 | 50.100 |
| Teuis | 230.000 375.000 | 230.000 375.000 | 50.000 | |
| Arad | 131.000 230.000 301.000 327.000 375.000 | 131.000 324.000 327.000 375.000 | 326.000 | |

SECRET

-16-

SECRET

| | | | | |
|-------------|--|------------------------------|--------------------|---------|
| Lugoj | 131.000 324.000 | 131.000 324.000 | 326.000 | |
| Oravita | 40.000 131.000 | 40.000 131.000 | | |
| Orsova | | | 326.000 | 50.100 |
| Timisoara | 230.000 324.000 327.000 375.000 | 324.000 | 326.000 | |
| Vasiova | 131.000 | 131.000 | | |
| Caransebes | 131.000 230.000 376.000 | 50.100 230.000 376.000 | 50.100 376.000 | 50.100 |
| Dej | | | 324.000 | 50.100 |
| Jibou | 324.000 375.000 | 324.000 | | |
| Ludus | 376.000 | 376.000 | | |
| Oradea Mare | 324.000 375.000 | 324.000 375.000 | 324.000 375.000 | |
| Razboieni | 376.000 | | 376.000 | 50.100 |
| Satu Mare | 324.000 376.000 | 324.000 | 324.000 376.000 | |
| Sighet | 376.000 | 376.000 | 324.000 | |
| Turda | 376.000 | 376.000 | 376.000 | |
| Iasi | 597 230.000 | 597 50.100 | 597 50.100 | 50.100 |
| Bacau | 342.000 | 50.1000 | 342.000 | |
| Barlad | 342.000 | 342.000 | 342.000 | |
| Dornesti | 375.000 | 375.000 | 375.000 | |
| Botosani | 342.000 | 342.000 | | |
| Itcani | 140.200 | 50.100 140.200 | 140.200 | 50.100 |
| Dorohoi | 140.200 | 140.200 | | |
| Campulung | 140.200 375.000 | 140.200 375.000 | 375.000 | 140.200 |
| Moldovi | 597 | 597 | | |
| Pascani | 1.441 230.000 | 1.441 50.100 230.000 | 50.100 | 50.100 |
| Roman | 597 | 597 | 597 | |

SECRET

- 17 -

SECRET

Assignment *various*
V. Introduction of the different types of locomotives in load plans

| Locomotive type (standard type is underscored) | Heaviest axle | I | II | III | IV | V | VI | VII |
|---|---------------|----|----|-----|----|----|----|-----|
| Diesel electric (DE) <u>st</u> = one unit composed of two groups of cou- pled axles = 8 x 19 t | | | | | | | | |
| dt = two similar units. The heating car WIT 765 can be placed directly behind the unit (DE) | 19.0 | dt | st | - | - | - | - | - |
| <u>047-088CFR</u> | 15.0 | dt | dt | dt | dt | - | - | - |
| <u>1286-1288, 1291-1293, 1317-1350, 1406-1426 CFR</u>) | 16.5 | dt | dt | dt | dt | - | - | - |
| <u>1351-1377 CFR</u> | 15.7 | dt | dt | dt | dt | - | - | - |
| <u>131,001 CFR</u> | 12.4 | dt | dt | dt | dt | dt | - | - |
| <u>130,501 CFR</u> | 16.4 | dt | dt | dt | dt | - | - | - |
| 140,001-165 (Baldwin) CFR | 18.6 | dt | dt | dt | - | - | - | - |
| 140,220-250 CFR | 15.102 | dt | dt | dt | dt | - | - | - |
| 140,251-140,351 CFR | 14.40 | dt | dt | dt | dt | - | - | - |
| 140,401 CFR | 17.67 | dt | dt | - | - | - | - | - |
| 142,001 | 19.0 | dt | st | - | - | - | - | - |
| 1441-1499 CFR | 11.57 | dt | dt | dt | dt | dt | dt | dt |
| 150,000 CFR | 14.90 | dt | dt | dt | st | - | - | - |
| 151,001 | 18.0 | dt | st | - | - | - | - | - |
| 150,1000 | 15.5 | dt | dt | dt | st | - | - | - |
| 1621-1640 CFR | 17.20 | dt | dt | dt | - | - | - | - |
| 1701-1704 | 15.80 | dt | dt | dt | - | - | - | - |
| D. 20,001-20,026 (switching Diesel) | 13.80 | dt | dt | dt | dt | dt | - | - |
| 2001-2073 CFR | 16.4 | dt | dt | dt | dt | - | - | - |
| 2201-2240 CFR | 16.0 | dt | dt | st | - | - | - | - |

SECRET

SECRET

| | | | | | | | | |
|--|-------|------|----|----|----|----|----|----|
| 230,001 CFR | 17.1 | dt | dt | st | - | - | - | - |
| 231,001 CFR | 17.17 | dt | dt | st | - | - | - | - |
| 301 MAV (Hungarian State Railroads) | 15.72 | dt | dt | dt | st | - | - | - |
| <u>324 MAV</u> | 14.20 | dt | dt | dt | dt | dt | - | - |
| <u>326 MAV</u> | 13.2 | dt | dt | dt | dt | dt | - | - |
| <u>327 MAV</u> | 14.86 | dt | dt | dt | dt | - | - | - |
| <u>342 MAV</u> | 14.42 | dt | dt | dt | dt | dt | dt | - |
| <u>370 MAV</u> | 10.3 | dt | dt | dt | dt | dt | dt | - |
| <u>375 MAV</u> | 10.93 | - dt | dt | dt | dt | dt | dt | - |
| " " strengthened type 749 | 11.89 | dt | dt | dt | dt | dt | - | - |
| <u>376 MAV</u> | 9.34 | dt | dt | dt | dt | dt | dt | - |
| <u>377 MAV</u> | 9.98 | dt | dt | dt | dt | dt | dt | dt |
| <u>40 DMAV (cog-wheel)</u> | 12.05 | dt | dt | dt | dt | - | - | - |
| <u>40,001 CFR for Oravita-Anina line</u> | 14.28 | dt | dt | dt | dt | dt | - | - |
| <u>40,001-40,112 CFR</u> | 17.2 | dt | dt | dt | - | - | - | - |
| <u>442 MAV</u> | 14.42 | dt | dt | dt | dt | dt | - | - |
| <u>50,001 CFR</u> | 14.1 | dt | dt | dt | dt | - | - | - |
| <u>50,101 CFR</u> | 15.6 | dt | dt | dt | dt | - | - | - |
| <u>597-743 CFR</u> | 13.67 | dt | dt | dt | dt | dt | - | - |
| <u>651 MAV</u> | 12.25 | dt | dt | dt | dt | st | - | - |
| 7055-7398 German | 15.00 | dt | dt | dt | dt | dt | - | - |

The numbers of the lines represent regions:

- 1) Bucharest - Timisoara(100 to 199)
- 2) Bucharest - Arad(200 to 299)
- 3) Bucharest - Oradea (300 to 399)
- 4) Bucharest - Cluj - Satu Mare (400 to 499)
- 5) Bucharest-- Marasesti-- Vatra-Dorni (500 to 599)
- 6) Bucharest - Iasi (600 to 699)
- 7) Bucharest - Galati (700 to 799)
- 8) Bucharest - Constanta (800 to 899)

SECRET

-19-

SECRET

VI. Table of admissible bridge loads on the various standard-gauge
 lines of the Rumanian Railroads (dt = double-head; st = single-
 head)

| Line | Permitted schedule | Locomotives permitted in addition to those provided for in the schedule, and other observations |
|---|--------------------|--|
| Chitila-Slatina | II | 142,001 dt |
| Slatina-Caransebes | II | --- |
| Caransebes-Jimbolia | II | 142,001 dt |
| Titu-Targoviste | IV | 150,1000 dt |
| Targoviste-Pucioasa | V | 351's are permitted as double-headers with pilot age ^{for} bridge at Ialomita at km 35+580 |
| Pucioasa-Pietrosita | II | Locomotives of series 151,000, 140,000, and 142,000 not permitted, even dead-headed |
| Golesti-Campulung | IV | |
| Pitesti-Curtea de Arges | II | |
| ^{Harbor} Costesti-Turnu Magurele ^{Port} | IV | 150,1000 double-header |
| Rosiori-Zimnicea | IV | 150,1000 double-header |
| Piatra Olt - Corabia | V | Schedule V is permitted, but with pilot age on bridges 231+665 (Potopiu River) and 231+665 (Tasliu River) |
| ^a Criova-Calafat Harbor | II | |
| Filiasi-Tantareni | IV | |
| Tantareni-Targu Jiu | VI | a) 131,000 dt, 375 dt, 375 dt strengthened (749) dt b) Also locomotives 324 single-head with pilot age at kms 314+078 and 206+964 |
| Targu Jiu-Bumbesti-Meri | I | |
| Bumbesti-Valea Sadului | II | |
| Orsova-Orsova Harbor | II | |

SECRET

SECRET*unclassified information*

| | | |
|---------------------------|-----|---|
| Lugoj-Jamul Mare | VI | 375 strengthened (749) dt. col. <u>131</u> ; double-header |
| Timisoara-Vasiova | II | |
| Vasiova-Calnic | V | |
| Calnic-Resita | III | with pilotage on bridge km 63,277, for 140,401 st. and rail motor 142,001 st; self-propelled railroad cars and other cars with 19 tons per axle |
| Fratelia (Chisoda)-Buzias | VI | 375 strengthened (749) dt; 131,001 |
| Jebel-Liebling | VI | 375 strengthened (749) dt |
| Jebel-Giera | VI | " " " " |
| Voiteni-Stora Moravita | II | |
| Border-Bazias | II | |
| Oravita-Anina | V | |
| Berzovia-Oravita | VI | 375 strengthened (749) dt; 131,001 dt |
| Oravita-Iam | IV | 150,1000 dt |
| Timisoara-Cruceni | VI | 375 strengthened (749) dt; 131,001 dt |
| Timisoara-Cenad | VI | 375 strengthened (749) dt; 131,001 dt |
| Lovrin-Jimbolia | VI | 375 strengthened (749) dt; 131,001 dt |
| Carpinis-Ionel | VI | classification changed because of temporary bridges |
| Caransebes-Calnic | III | with pilotage on Valea Popii bridge at km 24 + 500, usable for 140,401 st, 142,001 st, 151,000 st, self-propelled RR rail motor cars * cars with 20 tons per axle |
| Bucharest-Vidale-Craiova | III | |
| Podul Mures-Curtici | II | 142,001 permitted coupled behind 230,001 |
| Piatra Olt-Ramnicu Valcea | V | 1286-2073 dt, 130,501 dt, 327 st, 50,001 st, 50,101 st, 140,220- 140,351 st; 327 permitted cou- pled behind 324. |
| | | Single-traction required only |

SECRET 21

SECRET

on bridges at kms 217+278;
237+300; 254+792; 268+771;
275+077; 279+481; 292+087

Snowplow 628-63 can be used on
these bridges if there are at
least 3 cars between plow and
nearest locomotive. ~~Self~~
Rail motor cars ~~permitted railroad cars and other cars~~
~~with 17 tons per axle.~~

65-ton cranes with pilotage
permitted on all bridges and
culverts

| | | |
|--|----|---|
| Ramnicul Valcea-Sibiu | II | |
| Sibiu-Copsa Mica | IV | |
| Raureni-Ocnita | V | Same as Piatra Olt-Ramnicul Valcea sector |
| Brasov-Fagaras (via the new change: Valcea Homorod-Persani- Sercaia) | II | |
| Fagaras-Podul Olt | II | |
| Brasov-Bartelomeu-Zarnesti | VI | |
| Valea Homorod-Sinca Noua-Sercaia | VI | |
| Selimbar-Cisnadie | VI | |
| Sibiu-Vintul de Jos | IV | |
| Sibot-Cugir Factory | V | |
| Simeria-Lupeni | IV | 150,000 dt and 150,1000 dt per- mitted on Simeria-Petrosani sector |
| Simeria Triangle | II | |
| Vulcan switching line (towards Chorin mine) | VI | 131 dt, 324 st, 326 dt, 342 st, 375/749 dt, 442 st |
| Caransebes-Subcetate | V | 40 MAV () dt, 651 dt. 65-ton crane with pilotage per- mitted on all bridges and culverts. |
| Simeria-Hunedoara | V | |
| Ilia-Lugoj | VI | 131,001 dt; 324 st, 326 st, 375 strengthened (749). Self <i>Rail motor cars</i> permitted railroad cars and other cars with 16 tons per axle. Groups of cars of 3.6 tons per m not restricted; cars of 5.6 tons per m permitted in groups of 2. |

SECRET

22

~~SECRET~~

| | | |
|---|----|---|
| Timisoara-Radna | VI | 375 strengthened (749) dt, 131,001 dt |
| Timisoara-Arad | II | double-header |
| Aradul Nou-Lovrin | VI | " " |
| Lovrin-Negru | VI | " " |
| Sanandrei-Valcani | V | |
| Arad-Pecica | V | |
| Bucharest-Ploesti | II | |
| Ploesti-Brasov | I | |
| Brasov-Vanatori-Teius | II | |
| Teius-Cluj-Episcopia Bihor | II | |
| Bucharest (Halta Regie)-Chitila | I | |
| Chitila-Domnesti-Jilava | IV | |
| Bucharest-Dealul Spirei-Domnesti | I | |
| Bucharest (classification yards) - Baneasa (Bucharest) | II | 142,001 st |
| Chitila-Baneasa (Bucharest) | I | |
| Buda-Slanic | V | 1286-2073 st, 130,501 st, self-propelled cars and other cars of 17 tons per axle |
| Campina-Telega | VI | 047-088 st, 131,001 st, 326 st, 375 (749) st; self-propelled cars and other cars of 17 tons per axle |
| Brasov-Sf. Gheorghe | IV | Schedule changed Classification lowered because of temporary bridges |
| Sf.Gheorghe-Ciceu | IV | Schedule changed |
| Ciceu-Razboieni | IV | Classification lowered because of temporary bridges |
| Harman-Inorsura Buzaului | I | |
| Sf.Gheorghe-Breteu | VI | |
| Vanatori-Odorhei | VI | |
| Blaj-Diciosanmartin | VI | 375 strengthened (749) st, 131,001 dt |

~~SECRET~~

~~SECRET~~

| | | |
|--|-----|---|
| Diciosanmartin-Praida | VI | |
| Razboieni-Uioara | VI | 375 strengthened (749) dt, 131,001 dt |
| Campia Turzii-Turda | VI | same as above |
| Huedin-Calatele | VI | |
| Oradea-Vascau | VI | <i>Rail on river</i> Self propelled cars and other cars limited to 13.5 tons per axle |
| Rontau-Baile Episcopiei | VI | 375 strengthened (749) dt, 131,001 |
| Rogoz-Dobresti | VI | |
| Holod-Ciumeghiu | VI | <i>Rail on river</i> Self propelled cars and other cars limited to 13.5 tons per axle |
| Arad-Oradea | IV | <i>Schedule changed</i> Classification lowered because of temporary bridges at km 60 + 636 and 118.465 |
| Episcopia Bihor - Oradea West | - | not restored |
| Oradea West-Cheresig | VI | 375 strengthened (749) dt, 131,001 dt |
| Nadab-Graniceri | V | |
| Santana-Brad | VI | <i>Rail on river</i> Self propelled cars and other cars limited to 13.5 tons per axle |
| Iacu-Ramificatie Corneiu <i>[sic]</i> | VII | |
| Episcopia Bihor-Valea lui Mihai | II | Bretcu Pilotage on BRIDGE bridge, km 677+ 518 |
| Valea lui Mihai-Halmeu | V | <i>Schedule changed</i> Classification lowered because of bridges at km 776+ 160, km 794 + 903, km 304+ 480 |
| Campulung pe Tisa-Valea Viseului | V | |
| Rasauri Bihor-Simleul Silvaniei | VI | |
| Simleul Silvaniei Simlaul Silvaniei-Sarmasag | IV | |
| Valea lui Mihai-Dealul Bran | II | |
| Carei-Sarmasag | V | |
| Sarmasag-Criseni-Zalau | V | |

~~SECRET~~

24

~~SECRET~~

| | | |
|-------------------------------|-----|---|
| Apahida-Dej-Jibou | IV | |
| Jibou-Garceiu-Zalau | V | |
| Garceiu-Criseni | V | 375 strengthened (749) dt, 131,001 dt |
| Jibou-Baia Mare | V | |
| Ulmeni Salaj--Cehul Silvaniei | VI | |
| Dej-Ocna Dejului | VI | |
| Dej-Beclean | VI | <i>Schedule changed</i> Classification lowered because of bridges at km 15 + 950 |
| Beclean-IIva Mica | V | |
| IIva Mica-Rodna Veche | VI | |
| IIva Mica-Ploreni | IV | |
| Ludus-Magherus Sieu | VI | 375 strengthened (749) dt, 131,001 dt |
| Baia Mare-Satu Mare | VI | same as above |
| Baia Mare-Baia Sprie | VI | same as above |
| Tautii de Sus-Firiza de Jos | VI | same as above |
| Valea Viseului-Borsa | V | |
| Salva-Telciu | IV | |
| Saratel-Deda | - | Destroyed; being rebuilt |
| Ploesti-Ramnicul Sarat | II | 142,001 dt |
| Ramnicul Sarat-Marasesti | III | |
| Marasesti-Adjud | II | |
| Adjud-Veresti | II | With pilot on on bridge at km 343 + 723 (Moldavie) |
| Varesti-Vicsani | II | |
| Focsani-Odobesti | II | |
| Adjud-Saline | II | |
| Saline-Comanesti | III | |
| Comanesti-Ghimes | IV | |
| Ghimes-Ciceu | II | |
| Comanesti-Moinesti | II | |

~~SECRET~~

25

~~SECRET~~

| | | |
|---------------------------------|-----|--|
| Bacau-Piatra Neamt | IV | |
| Dolhasca-Falticeni | V | |
| Veresti-Botosani | IV | |
| Leorda-Dorohoi | IV | 150,1000 dt |
| Darmanesti-Floreni-Ramificatie | IV | same as above |
| Elorenei-Ramificatie-Dornisoara | VI | <i>Rail motor</i> Self-propelled RR cars and other cars limited to 13 tons per axle |
| Vama-Moldovita Ferestreu | VI | same as above |
| Pojarata-Fundul Moldovei | V | |
| Dornesti-Brodina | V | |
| Brodina-Seletin | VI | <i>Rail motor</i> Self-propelled RR cars and other cars limited to 13 tons per axle |
| Gura Putnei-Putna | VI | |
| Marasesti-Panciu | IV | 150,1000 dt |
| Buzau-Scheiasi | V | |
| Marasesti-Tecuci | III | Coupling of locomotives 2201-2240, 230,001 or 231,001 with locomotives 1286-2073 or 130,501 is permissible. Special trains, with engineers and traf- fic managers aboard, can be load- ed according to Schedule II only on Line No 1; that is, on the right in going from Mara- sesti to Tecuci. On Line No 2, locomotives 230,001 dt and 231,001 dt may move only at 20 km/hr on the Siret Reversare bridge - km 226 + 624 - until new plates have been installed. |
| Tecuci-Rosiesti | II | |
| Rosiesti-Iasi | III | With pilot on on bridge at km 327 + 680 - Barlad IV [probably schedule IV at Barlad] |
| Tecuci-Barbosi | III | Locomotives 230 dt with pilot on on the Barlad bridge, km 242 + 850 (Barcea) |
| Crasna-Husi | IV | 150,1000 dt |

~~SECRET~~

SECRET

| | | |
|--|-----|---|
| Buhaesti-Bacesti | VI | 131,001 dt, 375 strengthened (749) dt, 597-743 dt. |
| Bacesti-Roman | VI | 131,001 st, 375 strengthened (749) dt, 597-743 dt |
| Pascani-Iasi | III | |
| Podul Illoaei-Harlau | V | with pilot on on bridges at km 0+ 420, 19+ 729, 33+ 834. Schedule IV may be used |
| Iasi-Cucuteni | III | <i>Schedule changed</i> |
| Ricard Cucuteni-Dorohoi | IV | Classification lowered because of bridges at km 19+ 962, 59+ 973, 61+ 473. |
| Iasi-Ungheni | III | |
| Buzau-Braila | II | 142,001 dt |
| Braila-Galati | II | 5 km/hr speed limit on Siret River bridge at Barbosi |
| Braila-Braila Harbor | II | |
| Galati-Galati Harbor | II | |
| Galati-Barlad | II | |
| Galati-Border | II | |
| Zorleni-Prut | V | |
| ^u Bucharest-Orziceni-Faurei | III | |
| Faurei-Tecuci | IV | |
| Bucharest-Fetesti | II | 142,001 dt, 151,001 dt. |
| Fetesti-Cernavoda | III | st. Locomotive ^s may be placed only at head or rear of trains. Central location of locomotives is forbidden |
| Cernavoda-Constanta | II | 142,001 dt, 151,001 dt |
| Bucharest North-Giurgiu Harbor | II | |
| Giurgiu-Videla | II | |
| Bucharest-Baneasa-Oltenita | II | |
| Ciulnita-Slobozia Veche | I | |
| Ciulnita-Calarasi Harbor | I | |

~~SECRET~~

| | | |
|----------------------------|----|--|
| Faurei-Fetesti | IV | <i>Schedule changed</i> Classification lowered because of Calmatiu bridge at Km 16+665 |
| Saligny-Cernavoda (town) | II | |
| Medgidia-Hamangia | II | |
| Hamangia-Tulcea | I | |
| Medgidia-Negru Voda-Border | II | |
| Palas-Constanta Harbor | II | |
| Constanta-Mangalia | I | |
| Eforie-Techirghiol | I | |
| Constanta-Mamaia | I | |
| Tandarei-Lunca Dunarei | I | |

Rail motor
~~Self propelled~~ rail cars and other cars:

| | Schedules | | | | | | |
|--|-----------|-----|------|-----|-----|-----|-----|
| | I | II | III | IV | V | VI | VII |
| a) Maximum permissible weight on axle | 25 | 20 | 18.5 | 17 | 16 | 14 | 12 |
| b) Maximum weight per running meter permissible for unlimited number of cars; in tons | 8.0 | 4.0 | 3.6 | 3.6 | 3.3 | 3.0 | 3.0 |
| c) Maximum weight per running meter permissible for special cars in groups of two spaced apart by at least 5 normal cars with weight of maximum dead weight of 6 [ton] | 13.6 | 8.0 | 7.2 | 6.4 | 3.6 | 4.8 | 4.0 |

~~SECRET~~

VII Return of Foreign Railroad Cars in Rumania to their Country
of Origin

50X1-HUM

Circular notice with respect to the return of CSD (Czech), MAV (Hungarian), IDZ (Yugoslavian), and BDJ (Bulgarian) railroad cars which are circulating on the lines of the Rumanian State Railroads, which were counted on 1 December 1947 and have not yet been returned to their respective countries.

General Administration I-8
[Unidentified abbreviations]
Regional K and A~~N~~ Departments

All stations for checking cars

In conformity to the decisions reached at the Belgrade Conference, all cars which are in circulation and which belong to the Czech, Hungarian, Yugoslavian, and Bulgarian railroads must be returned to their respective countries by 1 June 1948.

The return of all such cars which are on the tracks of the Rumanian State Railroads has not yet been effected; 682 cars are noted in the attached list.

~~Jenurage~~ The Administration of the Rumanian State Railroads is obliged to pay ~~rent~~ [Unidentified abbreviation] for these cars in gold francs under the ruling of RIV~~N~~. This ~~Jenurage~~ begins on 1 June and continues until the date of the return of the cars to the respective countries.

In order to assure a rapid return of these cars, the following measures will be taken:

The regional M and A Departments will continue the identification of these cars on the entire network of the Rumanian State Railroads.

No car on the adjoining list may be loaded with freight for domestic deliveries or for export.

For failure to comply, the parties at fault will be liable for

29
SECRET

~~SECRET~~

the demurrage charges which the Rumanian State Railroads must pay to the other railroads.

The stations will draw up routing slips, with the frontier stations from which they will leave the country as destinations, for all empty cars identified in this way.
~~found during the identification.~~

In order that the loaded cars may not be misdirected, the station which identifies them will telegraph^{to} the destination. When these cars are unloaded, routing slips will be made for their return to the country of origin.

In the course of the identification, loaded cars which have a routed destination other than the country of origin will be unloaded and returned empty to the country of origin.

The frontier stations for the return of the cars are:

Halmeu for Czech cars

Curtici, Episcopia Bihor, and Valea lui Mihai for Hungarian cars

Jimbolia for Yugoslavian cars

Negrul Voda for Bulgarian cars

If, during a subsequent inspection, any unreturned cars in the attached list should be found, the parties at fault will be liable for the demurrage; demurrage is to be paid in gold francs, in accordance with RIV, on each car and for each day following the receipt of this notice.

VIII Activity and Realizations of the Administration of Rumanian

State Railroads from 1940 to 1944

(Summary)

1. Increase of the capacity of existing lines
2. New lines for the completion of the Rumanian network
3. Miscellaneous important works
4. Rumanian railroad bridges
5. Oil and gas lines

30

~~SECRET~~

SECRET

6. Rolling stock
7. Development
8. Electrification
9. Supply of materials

SECRET

Siding Capacities of the Rumanian Railroads - May 1948

The numbers represent axles.

RUMANIA
Principal lines

Secondary lines

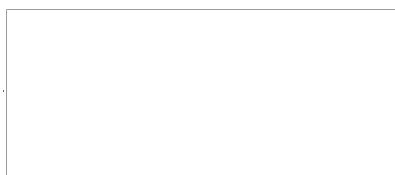
Narrow-gauge lines

Privately owned or foreign lines

Fluvial or maritime lines

Positions of stations

SECRET



SECRET

50X1-HUM

Utilization of Locomotive Types on the Rumanian Network - VII - 1948

TYNAK
Principal lines

Secondary lines

50X1-HUM

Narrow-gauge lines

Privately owned or foreign lines

Fluvial or maritime lines

Locations of stations

The numbers indicate the locomotive series which is used

NOTE: The locomotives Series 600, used on the Crasna-Husi sector of the Tecuci-Iasi line, do not appear in the list of locomotives because they are to be withdrawn in October 1948.

| Permitted load in tons per axle | Category | Type | Length of lines in kilometers |
|------------------------------------|--------------------|--|----------------------------------|
| 20 | I | Main lines | 3,358 |
| 17 | " II | Secondary lines under im- provement | 3,012 |
| 15 | " III | Secondary lines not under improvement | 3,150 |
| " IV | Narrow-gauge lines | | 713 |
| | | Total kilometers | 10,242 (sic) |

SECRET

Main lines

Main lines with possibility of laying 2nd line

Secondary lines (soon to be completed)

Secondary lines (Category II)

Secondary lines (Category III)

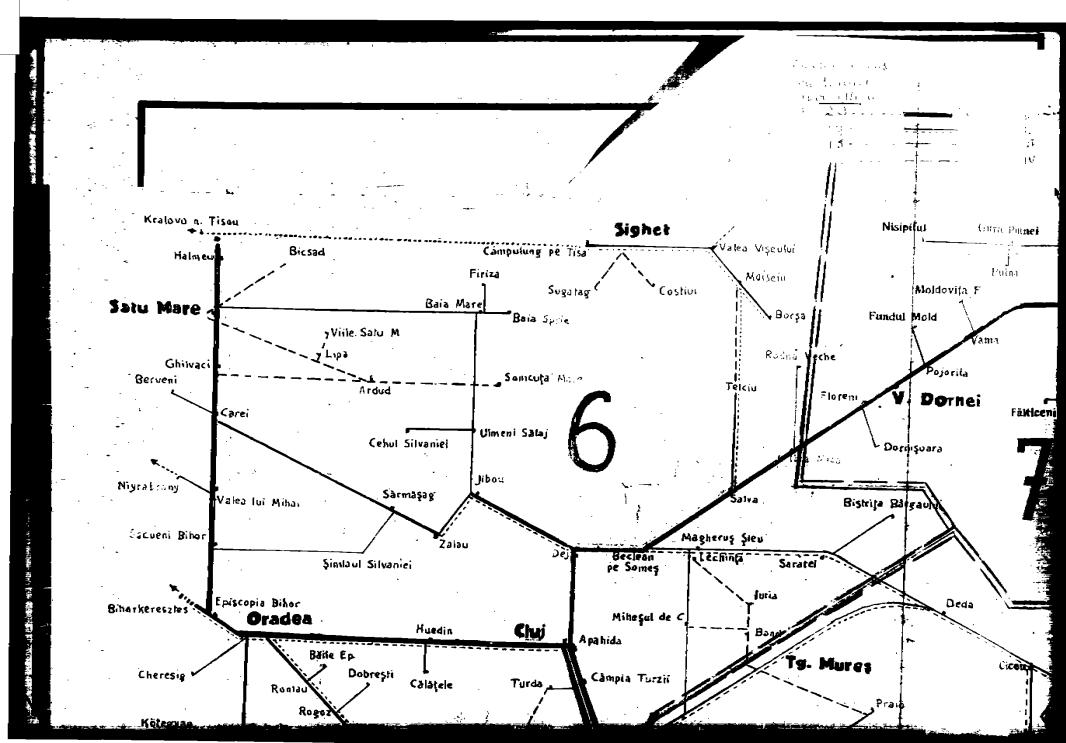
Narrow-gauge lines (Category IV)

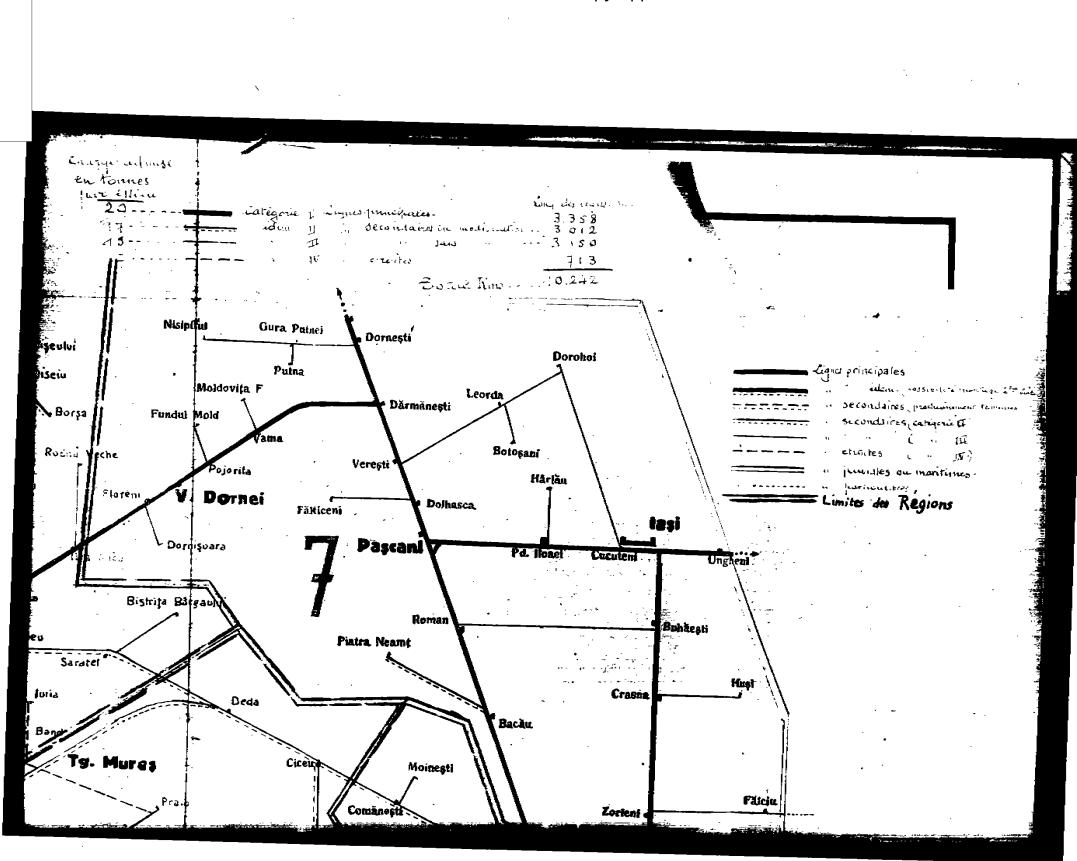
Fluvial or maritime lines

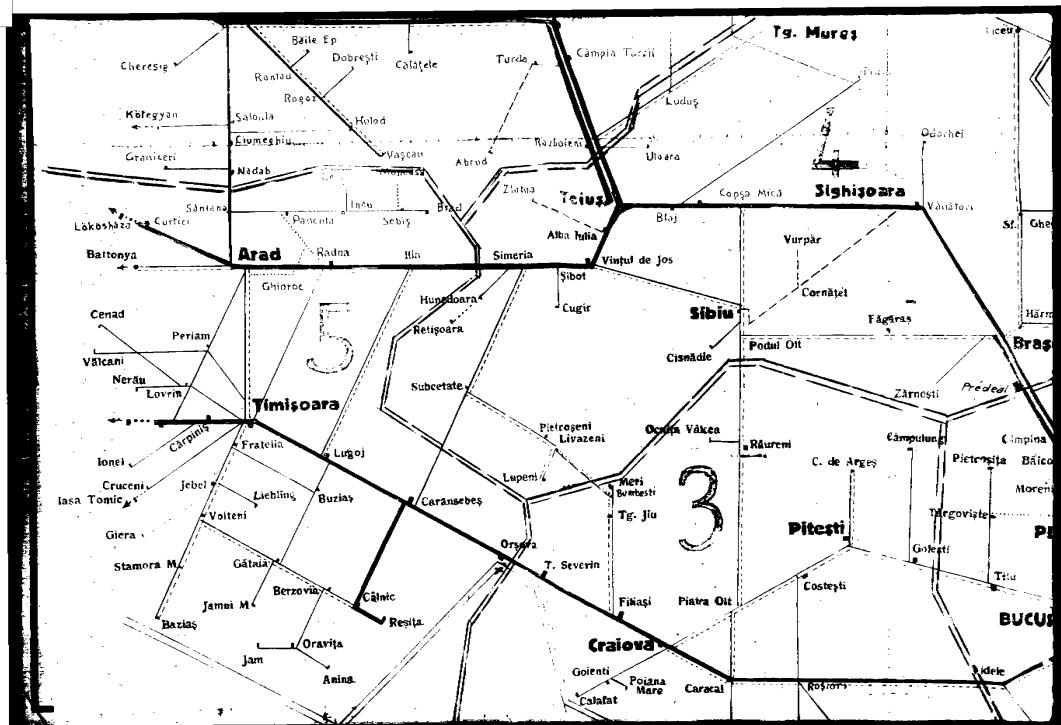
Privately owned lines

Region limits

50X1-HUM

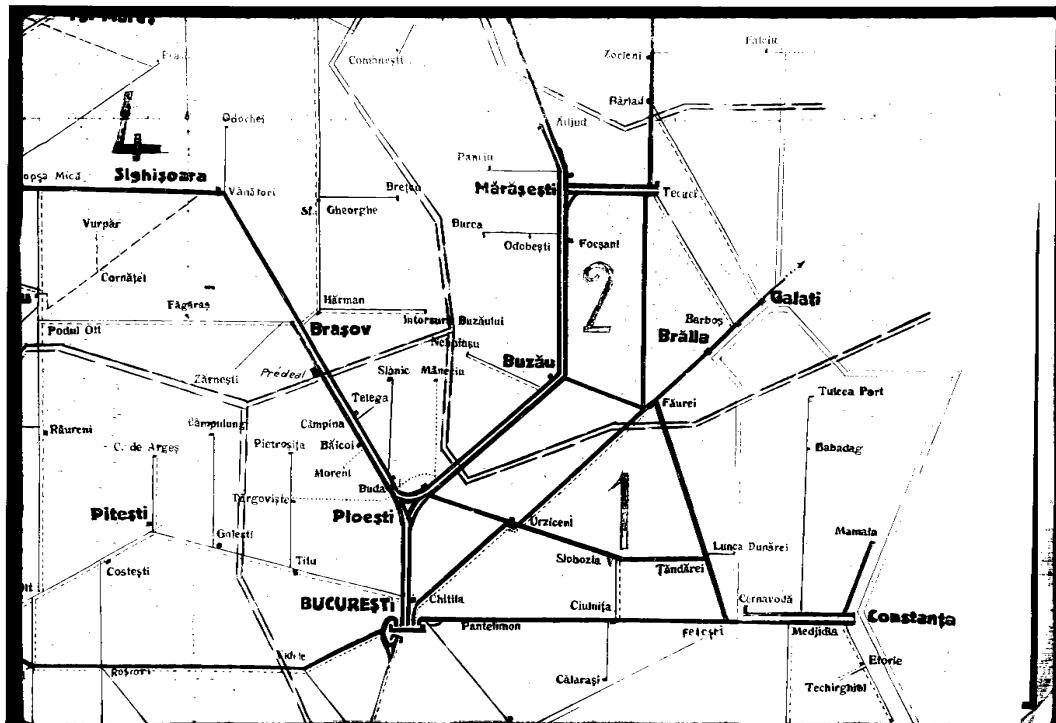




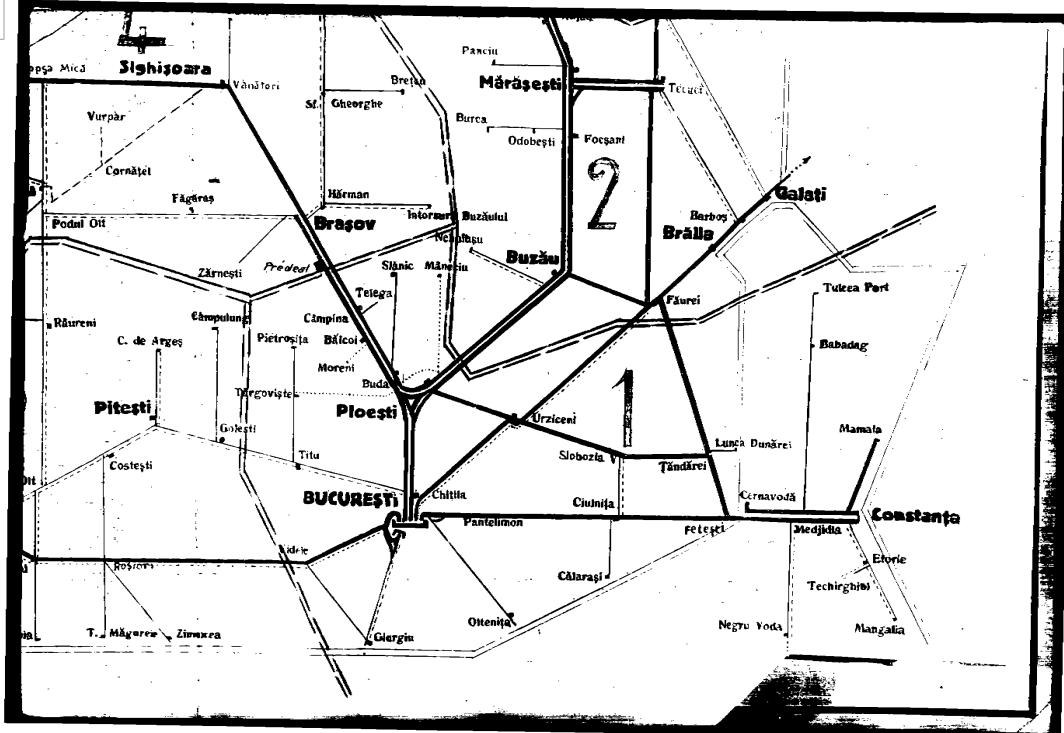


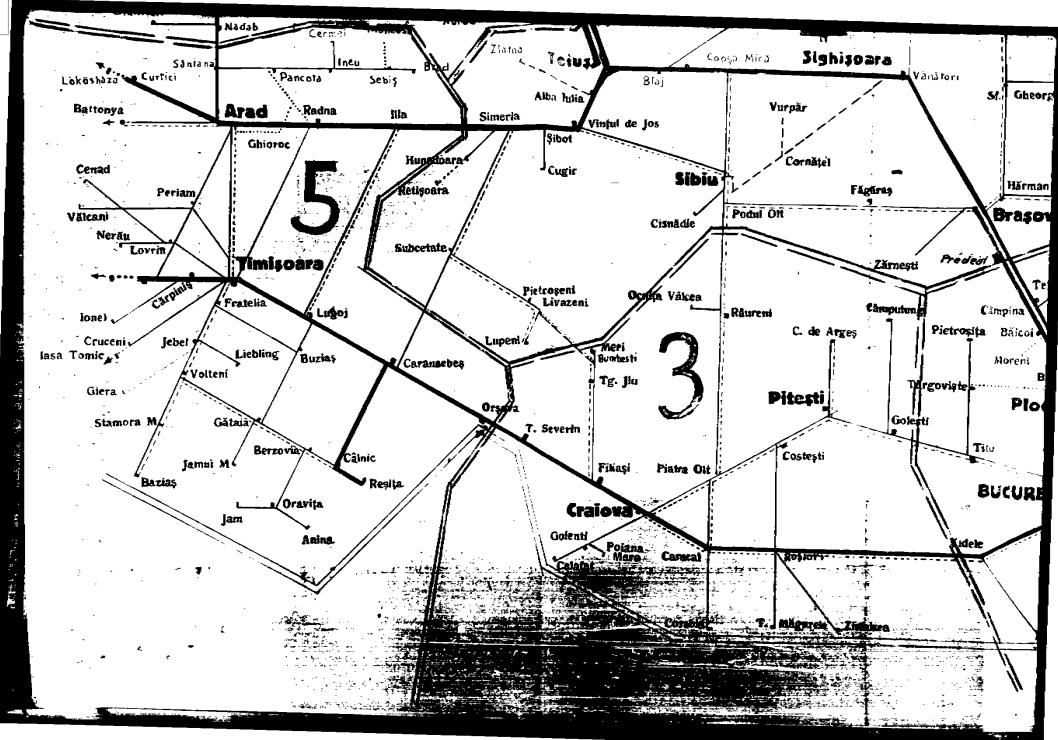
Declassified in Part - Sanitized Copy Approved for Release 2012/02/28 : CIA-RDP83-00415R001700050001-6

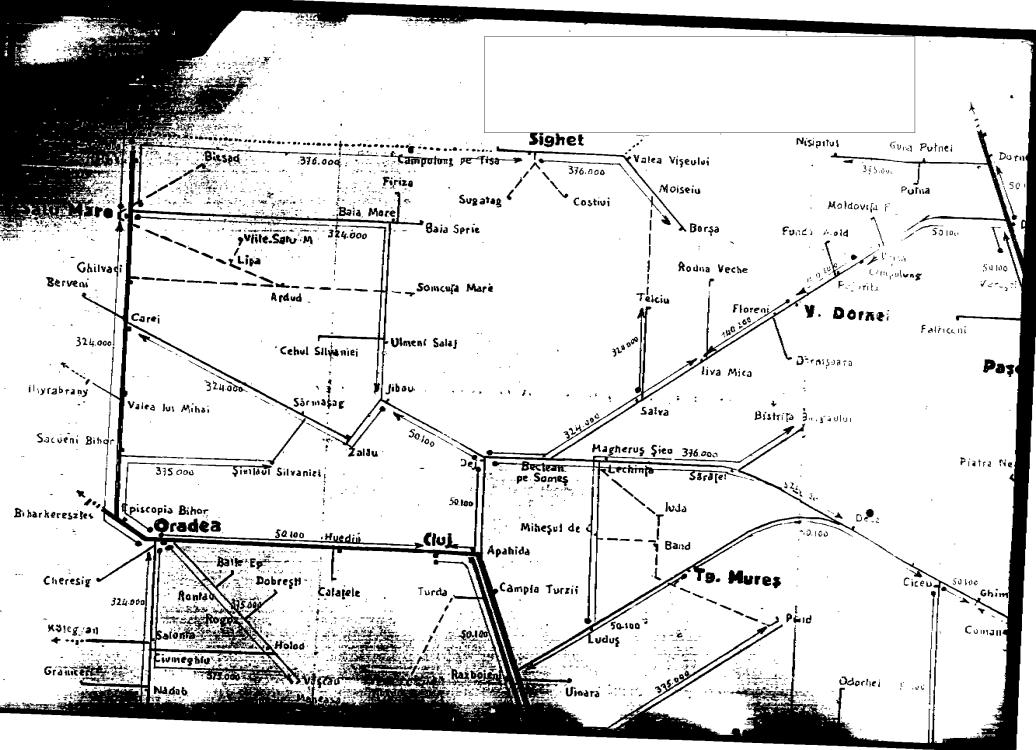
50X1-HUM

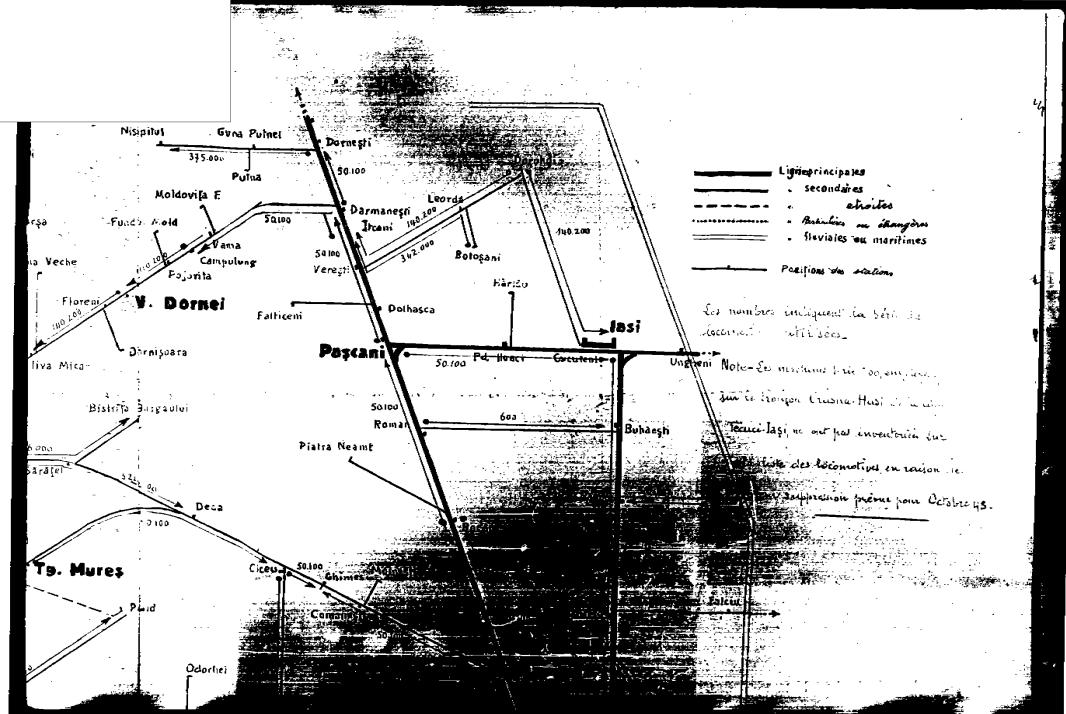


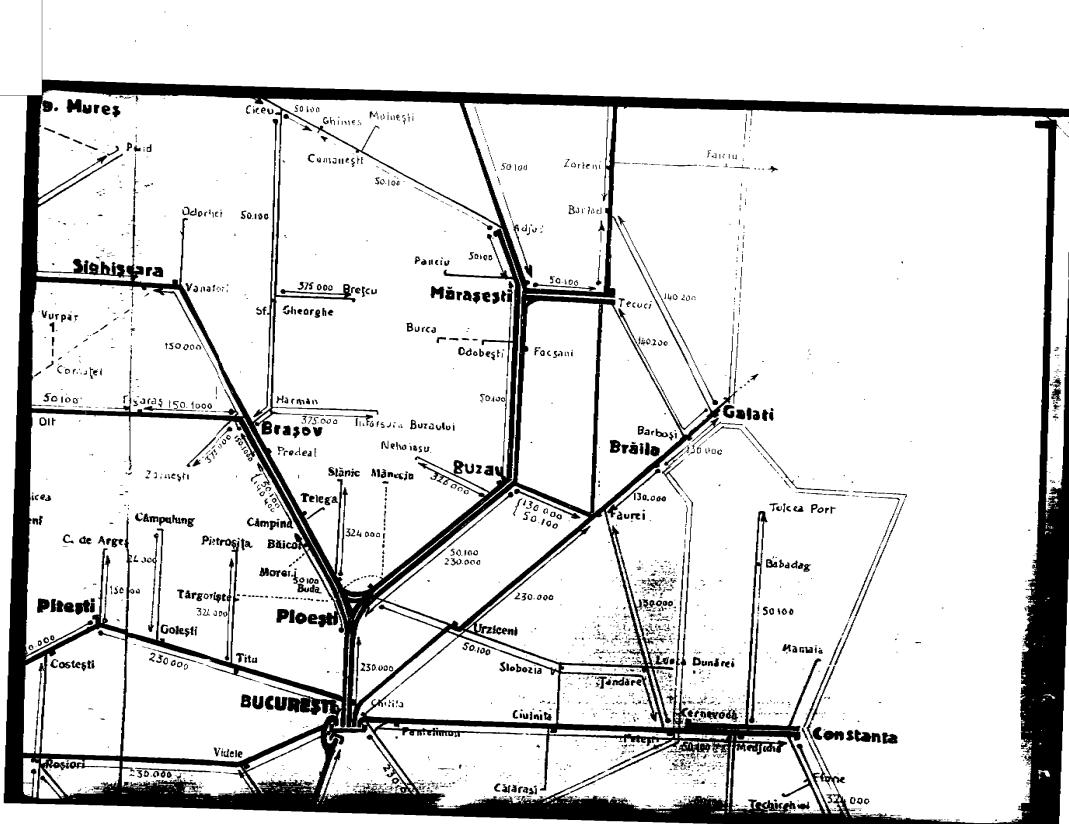
Declassified in Part - Sanitized Copy Approved for Release 2012/02/28 : CIA-RDP83-00415R001700050001-6

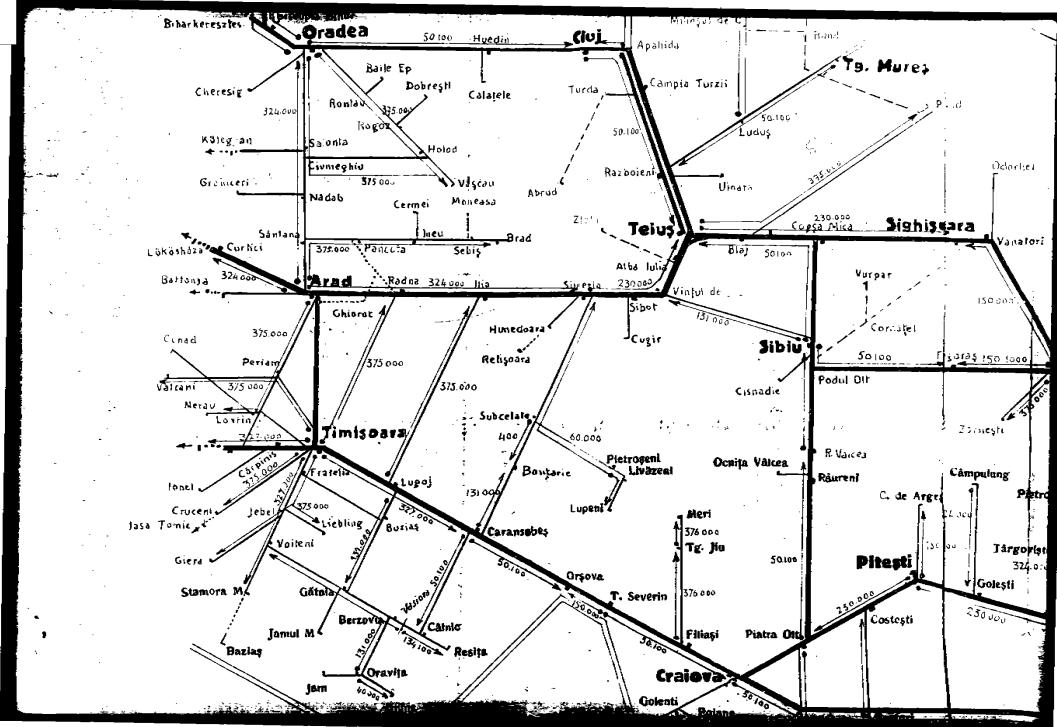


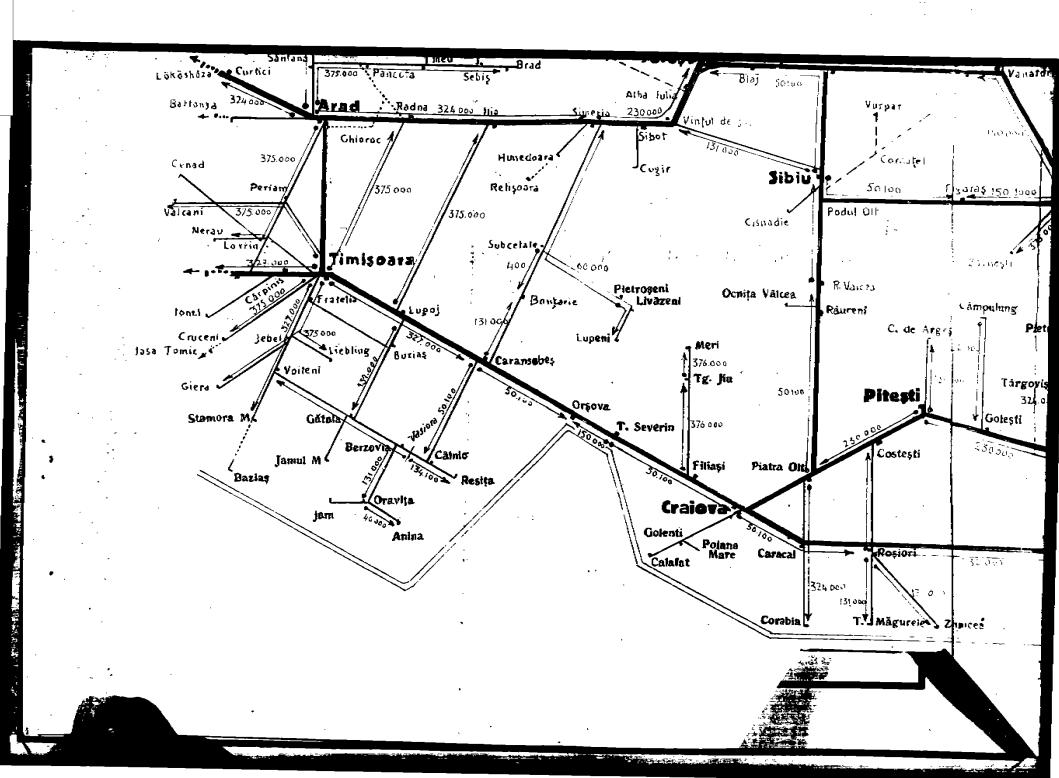


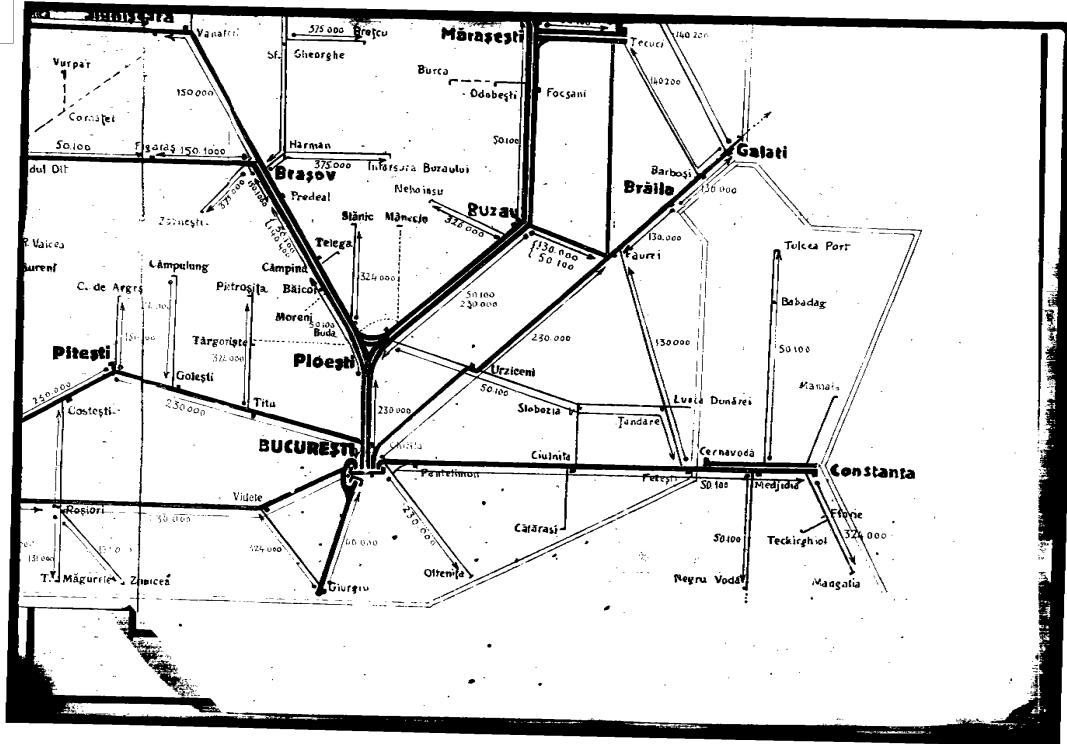


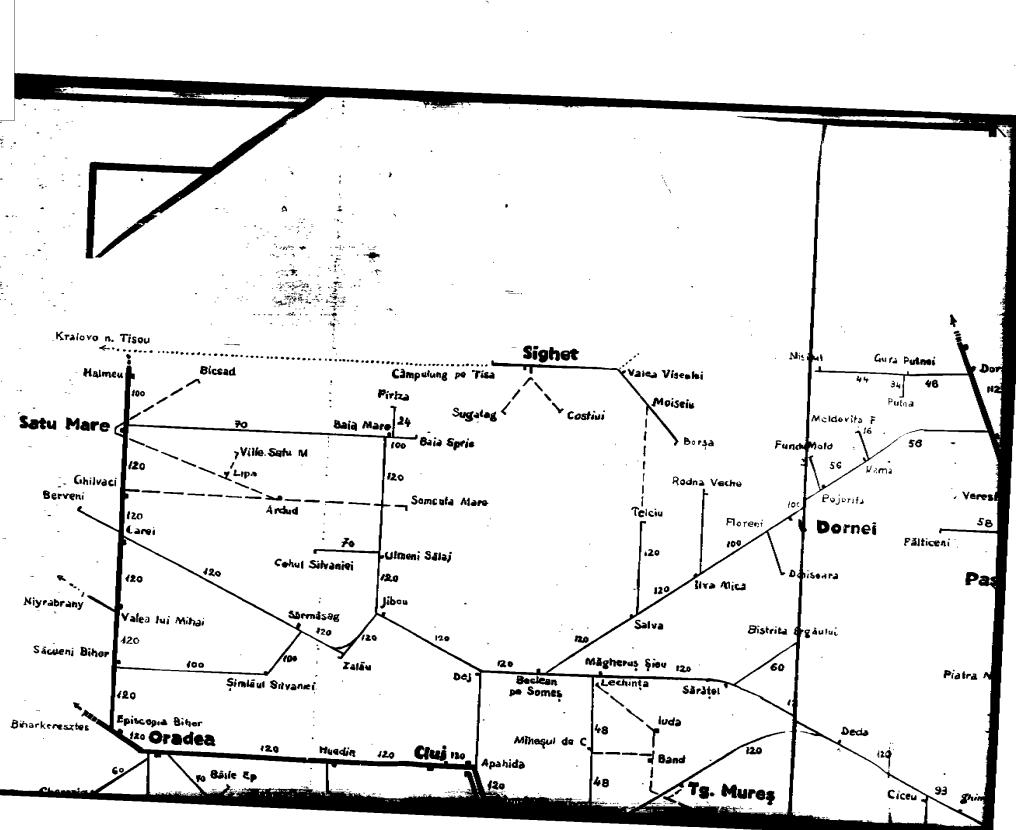


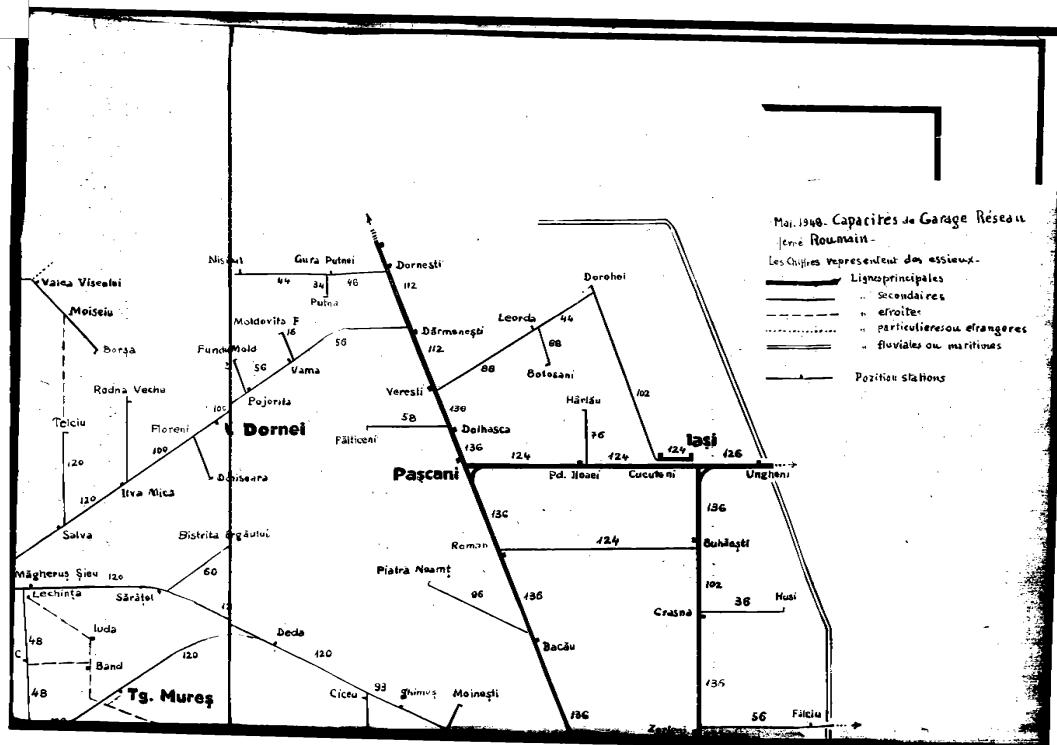


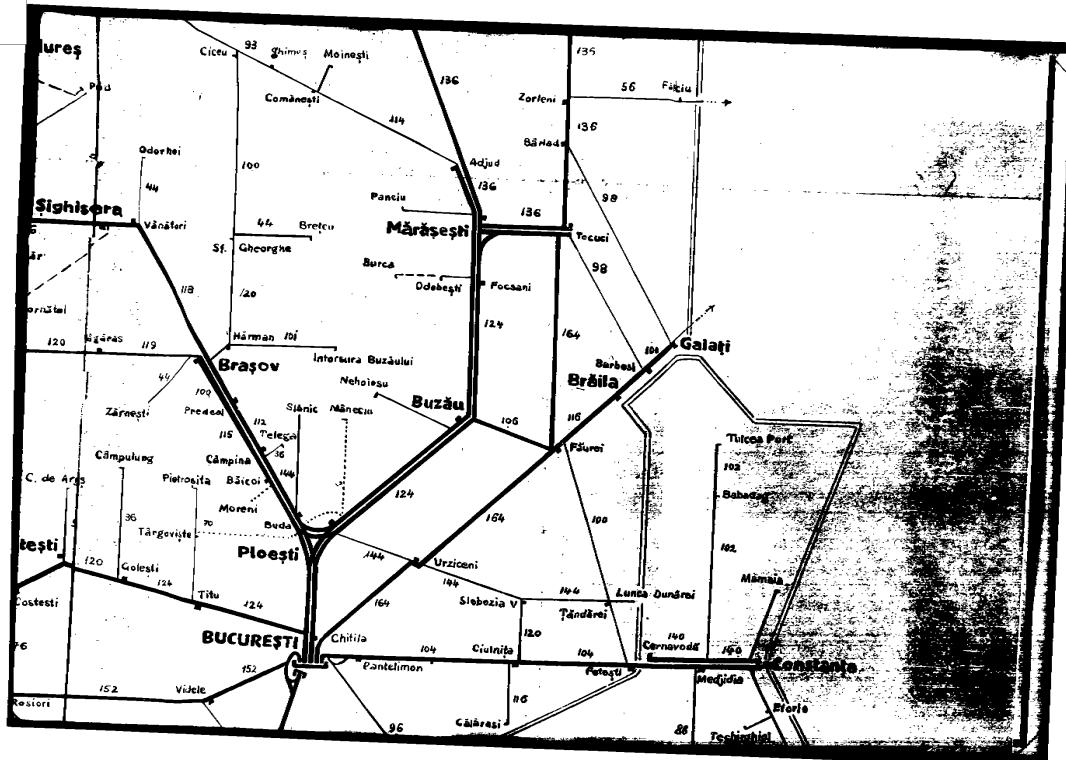


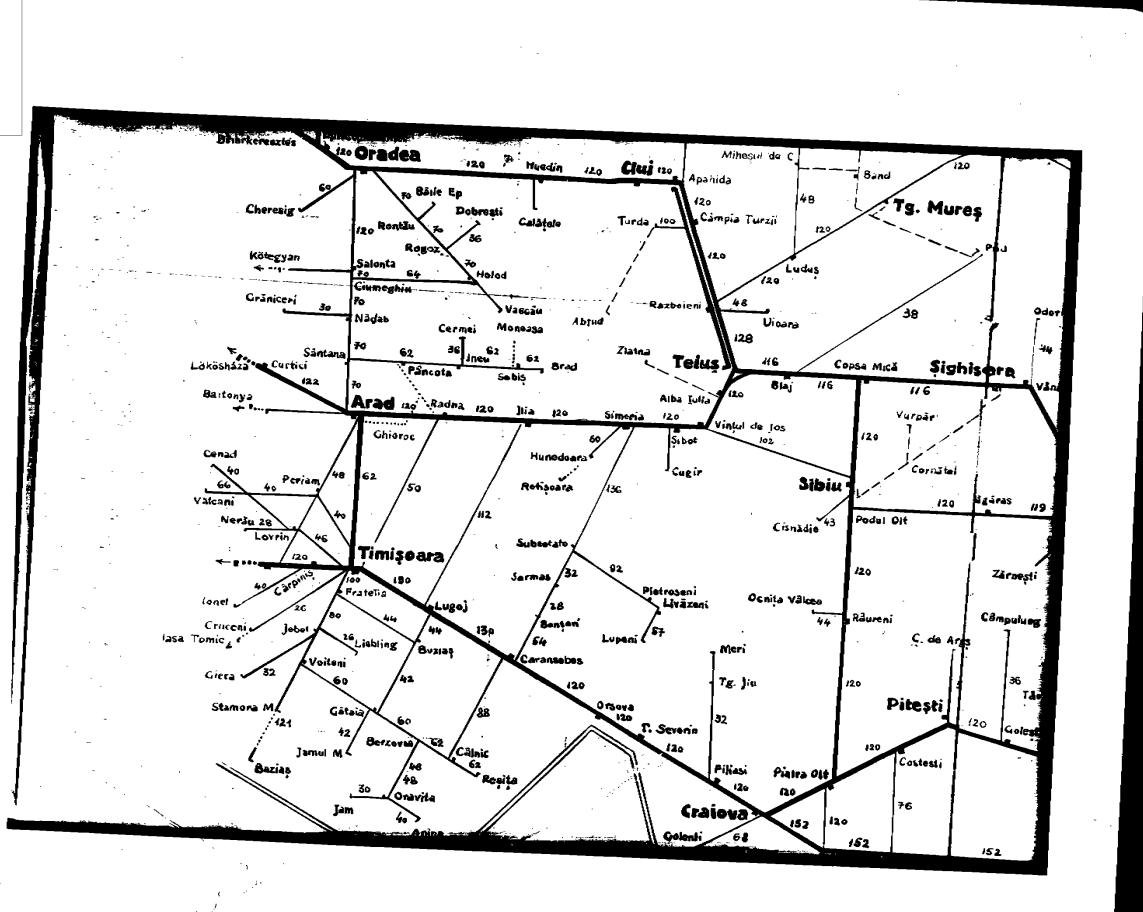


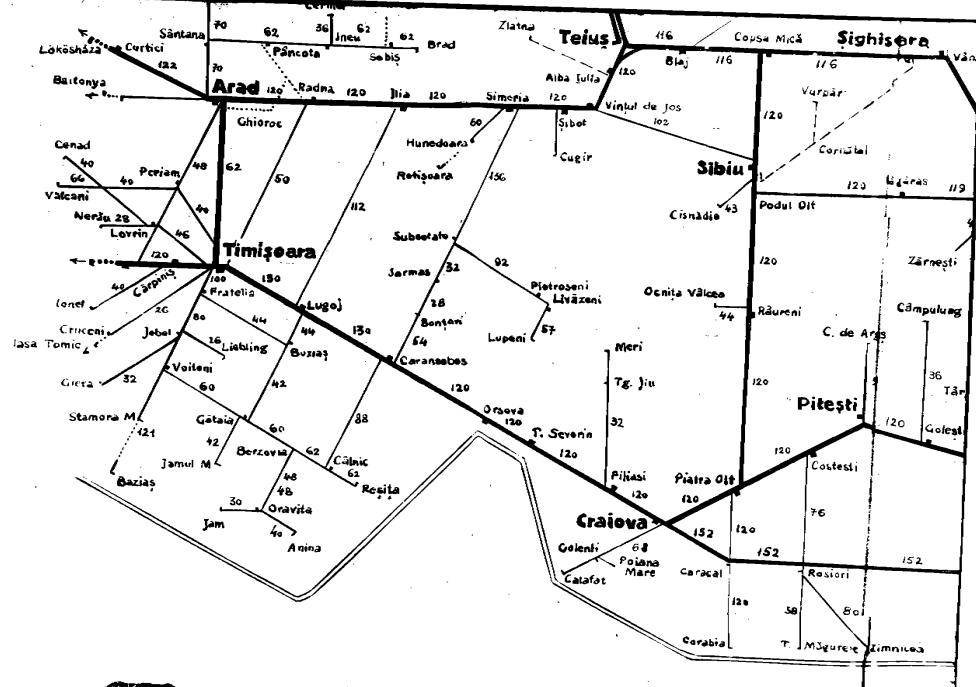


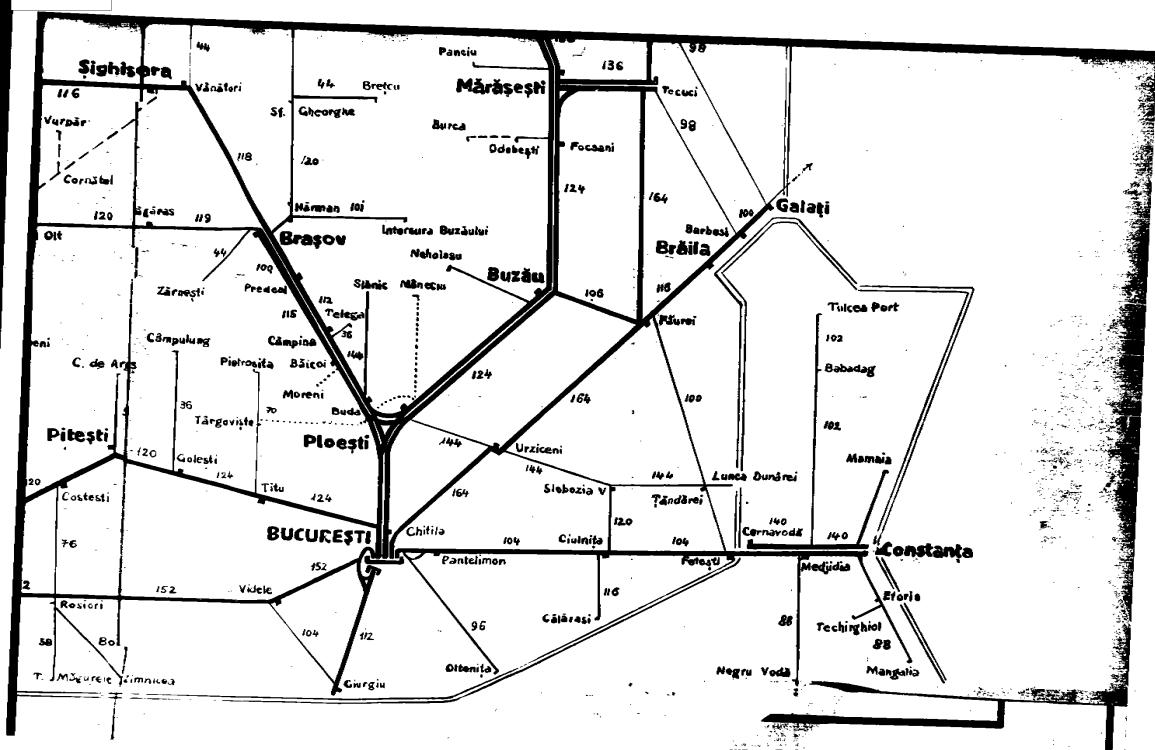






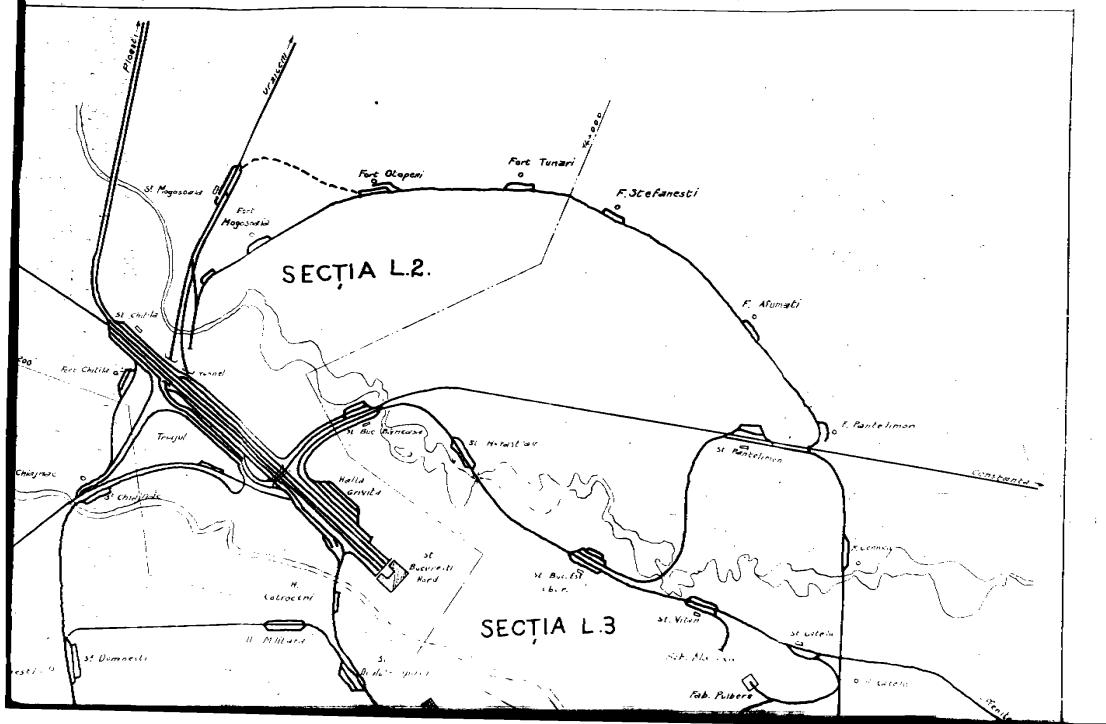






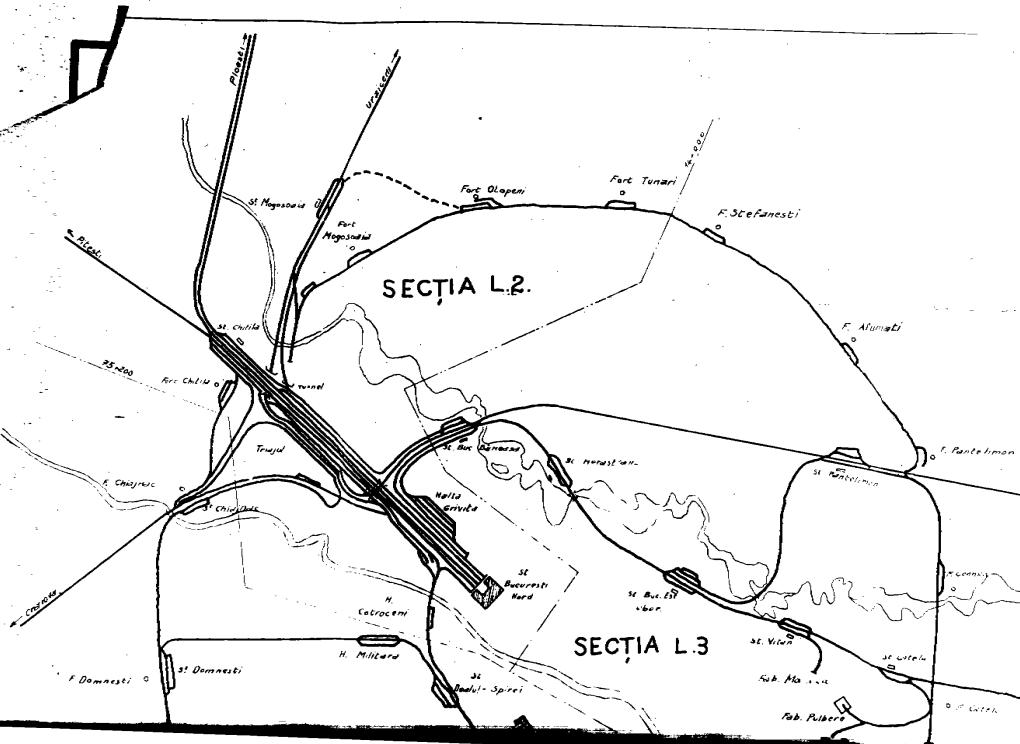
Declassified in Part - Sanitized Copy Approved for Release 2012/02/28 : CIA-RDP83-00415R001700050001-6

50X1-HUM



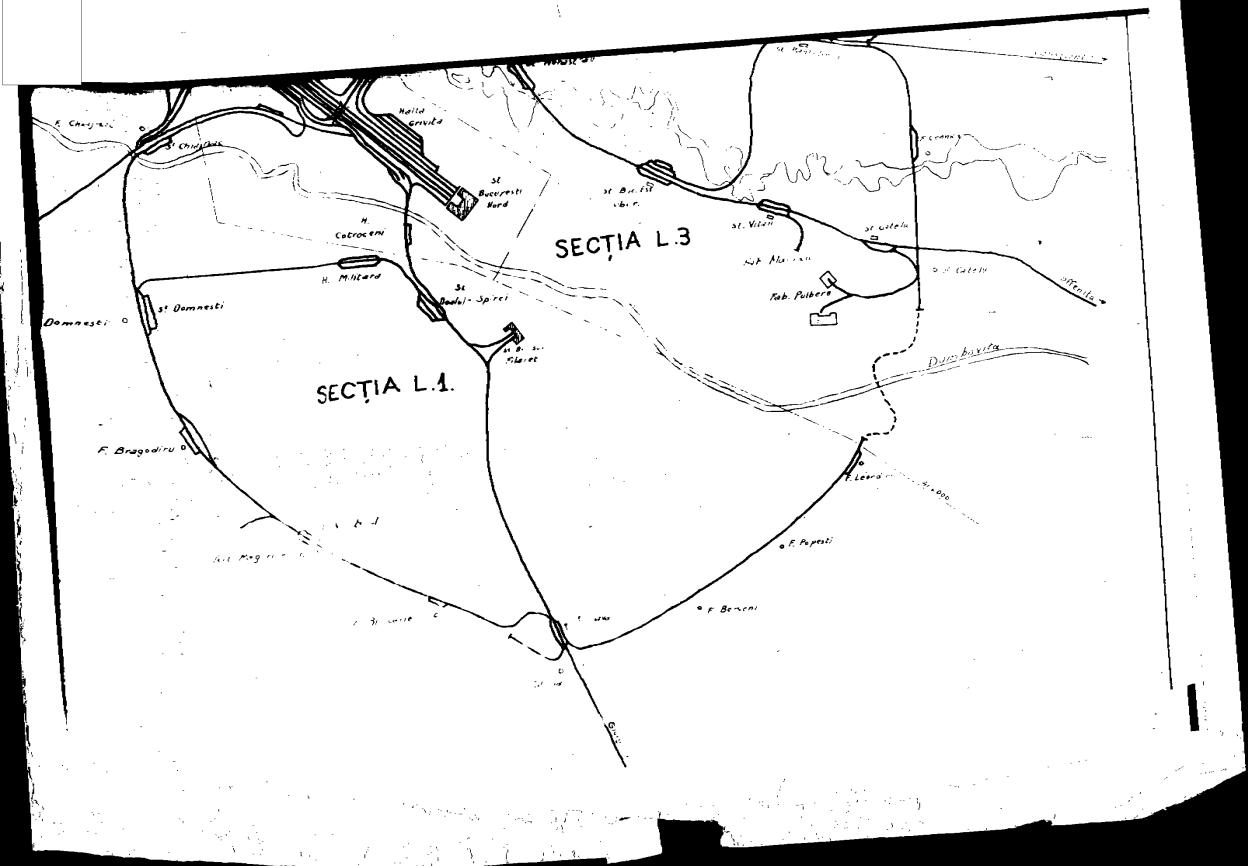
Declassified in Part - Sanitized Copy Approved for Release 2012/02/28 : CIA-RDP83-00415R001700050001-6

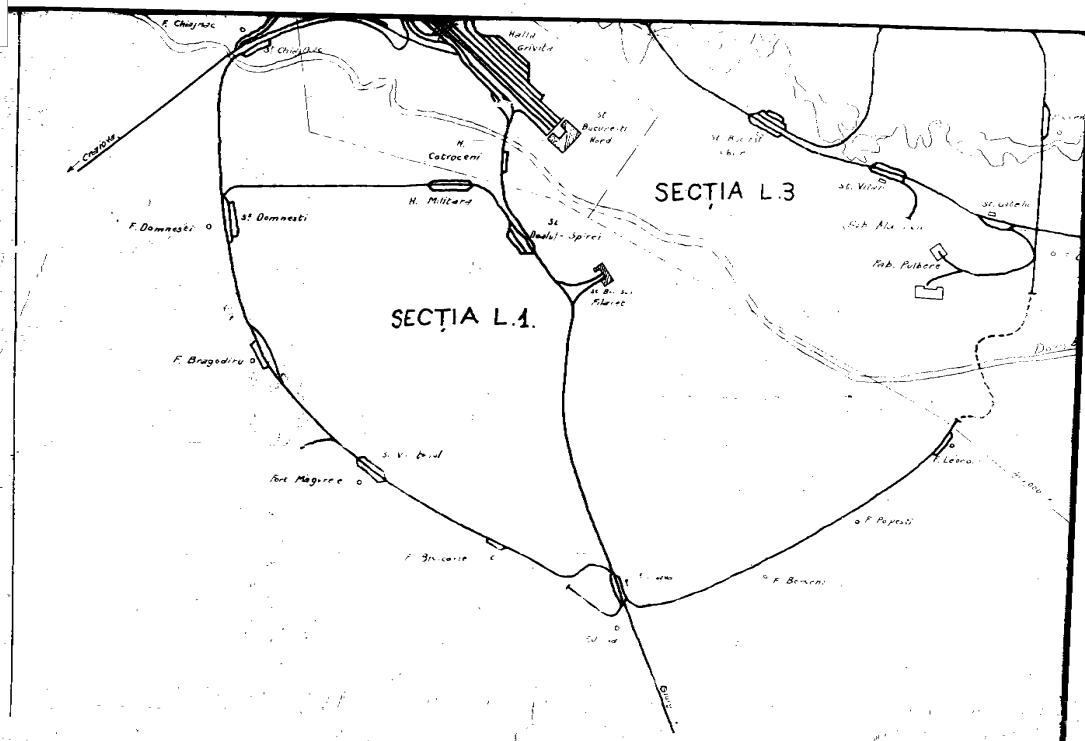
50X1-HUM



Declassified in Part - Sanitized Copy Approved for Release 2012/02/28 : CIA-RDP83-00415R001700050001-6

50X1-HUM





50X1-HUM

Page Denied

Next 32 Page(s) In Document Denied